

MADISOUND SPEAKER COMPONENTS

Audiophile Price List — January 2008

Central Time Hours: 9:00 a.m. to 5:00 p.m. Monday - Friday; 10:00 a.m. to 2:00 p.m. Saturday

Madisound Air Core Inductors					
mH	Size	Wire gauge	DCR Ω	Power Watts	Cost
.10	SB/MB	20/19	.1 / .1	100	\$2.40
.15	SB/MB	20/19	.1 / .1	100	2.50
.20	SB/MB	20/19	.2 / .17	100	2.70
.22	MB	19	.18	100	2.70
.25	SB/MB	20/19	.31 / .2	100	2.75
.30	SB/MB	20/19	.34 / .3	100	2.95
.33	MB	19	.3	100	3.10
.35	SB/MB	20/19	.38 / .3	100	3.10
.40	SB/MB	20/19	.4 / .3	100	3.20
.45	SB/MB	20/19	.43 / .3	100	3.25
.47	MB	19	.34	100	3.25
.50	SB/MB	20/19	.44 / .35	100	3.35
.55	MB	19	.37	100	3.45
.56	SB	20	.48	100	3.45
.60	SB/MB	20/19	.5 / .37	100	3.60
.67	SB/MB	20/19	.53 / .4	100	3.65
.70	MB	19	.41	100	3.85
.75	MB	19	.43	100	4.00
.80	SB/MB	22/19	.88 / .45	100	4.20
.85	MB	19	.48	100	4.30
.90	MB	19	.5	100	4.35
1.00	MB	19	.5	150	4.70
1.25	MB	19	.7	150	5.00
1.50	MB	19	.75	150	5.40
1.75	LB	19	.8	150	6.50
1.80	MB	19	.82	150	6.75
2.00	LB	19	.9	150	7.10
2.25	LB	19	.95	150	7.30
2.50	LB	19	1.0	150	7.70
2.75	LB	19	1.05	150	8.00
3.00	LB	19	1.1	150	8.30
3.50	LB	19	1.2	150	9.00
4.00	LB	19	1.3	150	9.50



Madisound Iron Core Inductors				
Size	Wire gauge	DCR Ω	Power Watts	Cost
4.5 LB	18	.75	250	\$9.75
5.0 LB	18	.80	250	10.00
6.0 LB	18	1.0	250	10.65
7.0 LB	18	1.2	250	11.80
8.0 LB	18	1.4	250	12.40
10.0 LB	18	1.4	250	14.00
12.0 XLB	18	1.1	250	14.50
15.0 XLB	18	1.3	250	15.50
18.0 XLB	18	1.5	250	16.65

†SB bobbin 38mm $\varnothing$ x 20mm tall; MB bobbin 48mm $\varnothing$ x 23mm tall
LB bobbin 59mm $\varnothing$ x 32mm tall; XLB bobbin 54mm $\varnothing$ x 55mm tall

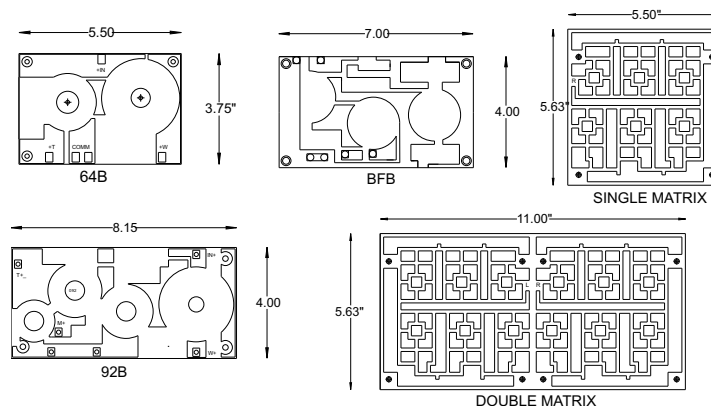
Surplus Capacitors		
2.0 mfd	Mylar, 10%, 200V, green	.35
2.7 mfd	Panasonic mylar, 10%, 250V long leads	.30
2.7 mfd	Richey mylar, 250V, Dipped, Red	.30
3.0 mfd	T.I. mylar 10% 100V long leads	.30
3.3 mfd	Panasonic Polyprop. 10% 200V radial	.60
5.0 mfd	GE Polyprop. , 400V, 10%, axial	.75
10.0 mfd	TYEE Polyprop. 100V, 30 x 27 x 18m	.90

Wire-Wound Sand Cast Resistors	
15 Watt 12.5mm T x 12mm W x 46.5mm L	
25 Watt 13mm T x 14.5mm W x 60mm L	
1, 1.5, 2.2, 5, 3, 3.5, 4, 4.5, 5, 5.5, 6.6, 5, 7, 7.5, 8.9, 10, 14, 23 Ω 15 W 10%	\$.45 each
2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 20, 25 Ω 25 Watt 10%	.65 each

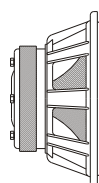
Eagle - Metal Oxide Film Non-Inductive Resistors	
5%, 10Watt, 8.5mm $\varnothing$ x 32mmL, 33mm leads	
1.5, 2.2, 2.5, 2.7, 3, 3.3, 3.5, 4, 4.7, 5, 5.6, 6.6, 8, 7, 8, 9, 10, 12, 14, 15, 16, 20, 30, 50 Ω	\$1.20 each
Circuit Boards for Crossovers, Soldered Lugs, Glass Epoxy	



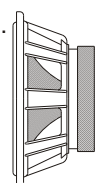
12 dB 2-way (64B)	\$6.80	12 dB 3-way (92B)	\$9.00
18 dB 2-way (BFB)	8.90	Matrix Double	14.00
Matrix	7.00		



Autosound Steel Grills with Mounting Rings					
4.5"	\$3.50	6.5"	\$5.00	10"	\$7.00
5.25"	4.00	8"	6.00	12"	10.00



MADISOUND SPEAKER COMPONENTS, INC.
8608 UNIVERSITY GREEN
P.O. BOX 44283
MADISON, WI 53744-4283 U.S.A.
TEL: 608-831-3433 FAX: 608-831-3771
e-mail: info@madisound.com
Web Page: http://www.madisound.com



MADISOUND LOW RESISTANCE INDUCTORS

MADISOUND is pleased to announce that we are now stocking SIDEWINDER and SLEDGEHAMMER Audio Inductors. These are audiophile grade inductors using 16 gauge wire with the following specifications:

Hard drawn copper for maximum conductivity.

Nylon-Polypropylene coating for maximum scuff and abrasion protection.

Better than 101.3 % of National Electrical and Manufacturing Association (NEMA) standard sample.

Power Handling capacity: more than 350 watts before saturation.



SIDEWINDER AUDIO INDUCTORS - 16 AWG

AIR CORE INDUCTORS

Bobbin: 48mmØ x 23mm tall

.1 mH	.1	\$3.55
.15	.11	3.65
.20	.14	4.00
.22	.14	4.10
.25	.15	4.25
.30	.16	4.80
.33	.18	5.10
.39	.18	5.45
.45	.2	5.75

AIR CORE INDUCTORS

Bobbin: 59mmØ x 32mm tall

.50mH	.22	\$7.00
.55	.23	7.35
.60	.24	7.50
.65	.27	7.85
.70	.28	8.20
.75	.29	8.45
.80	.30	8.70
.85	.31	8.85
.90	.33	9.10

AIR CORE INDUCTORS

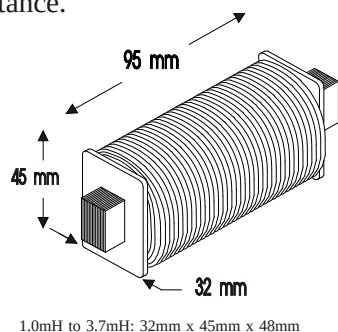
Bobbin: 59mmØ x 32mm tall

1.00mH	.34	\$9.60
1.25	.38	10.50
1.50	.43	11.80
1.80	.47	12.50
2.00	.52	13.50
2.25	.54	13.80
2.50	.59	14.30
Bobbin: 54mmØ x 55mm tall		
3.00	.72	18.00
3.50	.76	18.25

SLEDGEHAMMER STEEL LAMINATE INDUCTORS - 15 AWG

MADISOUND is pleased to offer a line of LOW distortion inductors. We are utilizing the good magnetic characteristics of high permeable steel alloy to give you inductors with high power capability, low DCR and low distortion. The inductors show significantly lower distortion in the low frequencies and will give cleaner sound reproduction for bass drivers, especially subwoofers.

Just as you would use polypropylene capacitors for a noticeably cleaner sound in your midranges and tweeters, Madisound Sledgehammer Steel inductors will give you noticeably clearer bass. Sledgehammer Steel Laminate inductors use hard drawn 15 gauge copper wire for maximum conductivity and low DC resistance.



mH	DCR	Price
Dim: 32mm x 45mm x 48mm		
1.0	.100	\$8.65
1.25	.120	9.25
1.5	.140	10.05
2.0	.156	10.30
2.25	.162	10.90
2.5	.164	11.20
2.7	.168	11.90
3.0	.178	12.05
3.3	.185	12.75
3.7	.200	13.45
4.0	.210	\$14.70

mH	DCR	Price
Dim: 32mm x 45mm x 95mm		
5.0	.242	16.00
5.5	.257	16.25
6.0	.272	16.65
7.0	.307	17.55
8.0	.345	18.55
10.0	.376	20.25
12.0	.426	21.75
13.0	.450	23.00
15.0	.505	24.00
18.0	.550	24.55
20.0	.595	27.15



Values between sizes listed are also available. Add 20% to cost of value larger than your requirement.

GOERTZ AIR CORE FOIL INDUCTORS

MADISOUND is pleased to offer Goertz air core foil inductors. Foil inductors have obvious advantages over wire wound inductors in terms of improved electrical and sonic characteristics.

- 1" wide x 0.003" 14AWG
- 99.99% pure copper foil
- 0.002" thick polypropylene film coating
- Negligible skin-effect below 100kHz
- Flat inductive reactance from 5Hz through 50kHz
- No saturation distortion
- Extremely low stored charge
- Cool operation, good heat dissipation
- High winding tension and vacuum fusing reduces FM distortion
- Negligible power loss due to skin-effect
- Tolerance 2.5%



14 AWG COPPER

mH	DCR	Dia. In.	Price	mH	DCR	Dia. In.	Price
0.10	.050	1.6	\$12.60	0.75	.162	2.5	\$23.05
0.15	.054	1.7	\$13.80	0.82	.175	2.6	\$24.05
0.22	.071	1.8	\$14.60	1.00	.188	2.7	\$25.60
0.25	.076	1.8	\$14.90	1.20	.220	2.8	\$28.30
0.27	.078	1.9	\$15.10	1.50	.251	3.0	\$30.05
0.30	.082	2.0	\$15.60	1.80	.300	3.2	\$32.25
0.33	.083	2.0	\$16.40	2.00	.315	3.3	\$34.50
0.39	.095	2.1	\$17.90	2.20	.332	3.4	\$36.70
0.47	.110	2.2	\$18.40	2.70	.370	3.5	\$39.35
0.50	.118	2.2	\$19.25	3.30	.421	3.7	\$43.70
0.56	.130	2.3	\$19.80	3.90	.477	3.9	\$46.40
0.62	.148	2.3	\$20.85	4.70	.547	4.1	\$54.90
0.68	.154	2.4	\$22.00	6.00	.658	4.2	\$61.00

16 AWG COPPER

mH	DCR	Dia. In.	Price
0.10	.078	1.3	\$10.80
0.15	.086	1.4	\$11.10
0.22	.112	1.5	\$11.65
0.25	.120	1.6	\$11.75
0.27	.124	1.6	\$11.85
0.30	.129	1.8	\$12.20
0.33	.130	1.9	\$12.55
0.39	.150	2.0	\$13.30
0.47	.173	2.1	\$13.85
0.50	.190	2.1	\$14.65
0.56	.204	2.2	\$15.15
0.62	.276	2.2	\$15.85
0.68	.242	2.3	\$16.55
0.75	.250	2.4	\$16.95
0.82	.276	2.5	\$17.35
1.00	.295	2.6	\$18.15
1.20	.343	2.7	\$19.25
1.50	.394	2.9	\$20.05
1.80	.471	3.1	\$20.65
2.00	.497	3.2	\$23.70
2.20	.522	3.3	\$25.00
2.70	.583	3.4	\$26.90
3.30	.661	3.6	\$29.90

12 AWG COPPER

mH	DCR	Dia. In.	Price
0.10	.027	1.7	\$17.90
0.15	.032	1.8	\$19.95
0.22	.045	1.9	\$22.00
0.25	.047	2.0	\$23.15
0.27	.049	2.0	\$23.95
0.30	.052	2.0	\$25.15
0.33	.053	2.1	\$27.50
0.39	.087	2.2	\$29.40
0.47	.070	2.3	\$30.50
0.50	.075	2.4	\$32.55
0.56	.083	2.4	\$34.80
0.62	.091	2.4	\$36.35
0.68	.098	2.5	\$38.15
0.75	.105	2.6	\$39.10
0.82	.111	2.7	\$40.10
1.00	.120	2.8	\$42.05
1.20	.141	2.9	\$45.60
1.50	.160	3.1	\$50.10
1.80	.191	3.3	\$52.35
2.00	.202	3.4	\$57.40
3.90	.304	4.1	\$81.10
4.70	.348	4.4	\$97.95
6.00	.415	4.7	\$111.95

Air Core Foil Inductors

Since we introduced our Air Core Inductors in 1997 they have become standard fixtures in many of the Worlds finest speakers, and thousand of audiophiles have improved their sound by personally upgrading their crossover circuits with our products.

Alpha-Core developed the combination of high grade OFC copper with polypropylene film as the dielectric, wound onto a non-hygroscopic core able to endure the sometimes high working temperature without long term shrinkage. We knew that a loose center will allow relative motion of layers due to electromagnetic forces, leading to FM distortion, so we chose LEXAN™ a high strength, super stable engineering resin for our cores. We also developed the vacuum fusing process in order to further preserve the long-term integrity of our inductors.

Research has no limits, so throughout the years we have worked on improving our product and proprietary manufacturing equipment. As a result we are now winding our inductors even tighter, to closer tolerances and at increased productivity. Inductors are calibrated within 2.5% of nominal, wound with superior tightness and fused at both ends, hermetically protecting the conductor (be it copper or fine silver) against tarnishing with time.

The copper foil inductors cannot be wound down and we are not able to special order values that are not listed here. If you need a special value please order directly from Alpha-Core.

PERFECT LAY WINDING Air Core Inductors

MADISOUND is now stocking **PERFECT LAY WINDING** audio inductors from Solen Engineering. These are audio grade inductors using 14 gauge wire with the following specifications:

- Perfect Lay Hexagonal Winding. Winding Space Factor: 86.7%
- Oxygen Content: Less than 200 parts per million on surface.
- Insulation: 130 degree centigrade Single coating Nylon-Polyurethane.
- Computer Optimized Coil Dimension.
- Encapsulation: Varnish dip coating with 4 nylon ties.
- No Saturation distortion: Test voltage 1500 VAC
- No Hysteresis distortion: Test voltage 1500 VAX
- Inductance tolerance: within 1% of value listed.
- Conductivity: Better than 101.5% of National Electrical and Manufacturing Association (NEMA) standard sample.
- Wire Diameter: .064 inches; 1.63 mm. High Purity Annealed Copper.



mH	DCΩ	Ht"	Ø"	Price	mH	DCΩ	Ht"	Ø"	Price	mH	DCΩ	Ht"	Ø"	Price
0.22	.08	.56	2.25	\$10.35	0.91	.20	.75	3.0	\$20.45	3.0	.42	.88	3.5	\$36.20
0.33	.10	.63	2.5	12.30	1.0	.21	.75	3.0	21.70	3.3	.45	1.0	4.0	36.50
0.39	.11	.63	2.5	13.60	1.2	.26	.75	3.0	23.00	3.7	.48	1.0	4.0	38.45
0.47	.13	.63	2.5	14.50	1.5	.28	.75	3.0	25.10	4.0	.50	1.0	4.0	40.35
0.56	.15	.63	2.5	16.05	1.8	.30	.88	3.5	27.95	4.5	.56	1.0	4.0	42.95
0.62	.16	.63	2.5	17.05	2.0	.31	.88	3.5	29.80	5.0	.59	1.0	4.0	45.10
0.68	.17	.75	3.0	17.40	2.25	.33	.88	3.5	31.50	5.5	.63	1.0	4.0	47.65
0.75	.18	.75	3.0	18.25	2.5	.36	.88	3.5	31.65	6.0	.67	1.0	4.0	50.70
0.82	.19	.75	3.0	19.25	2.75	.39	.88	3.5	34.00	21.0	1.4	1.5	6.0	93.60

CHATEAUROUX Polypropylene Solen Fast Caps

We are pleased to announce that we now have in stock **CHATEAUROUX METALLIZED POLYPROPYLENE CAPACITORS** of exceptional quality and excellent price. This type of dielectric has been characterized by Walter Jung as "outstanding" when compared with all other dielectrics in the areas of:

DISSIPATION FACTOR PERCENTAGE-DIELECTRIC ABSORPTION PERCENTAGE-STABILITY

- Low dissipation factor
- Low dielectric absorption factor
- High insulation resistance
- High frequency and temperature stability
- Good self healing characteristics of polypropylene dielectric
- High Current Capacity
- Excellent Over voltage and Pulse handling capability
- Low self inductance
- Low equivalent series resistance
- Excellent stability
- Leads: Tinned pure copper (not jacketed)
- Superior high frequency characteristics
- High Ionization level
- Dissipation factor @ 20o C: Less than .01 %.
- Dielectric: Polypropylene Film.
- Working Voltage: 400 VDC or higher.
- Test Voltage: 2.15 times rated voltage
- Capacitance tolerance: +/- 5%



Dimensions in mm:		8 ufd: 24 D, 38 L		35 ufd: 40 D, 53 L		80 ufd: 54 D, 65 L	
1 ufd:	13 D, 23 L	12 ufd:	29 D, 38 L	40 ufd:	40 D, 60 L	100 ufd:	56 D, 72 L
2 ufd:	16 D, 25 L	15 ufd:	29 D, 45 L	50 ufd:	45 D, 60 L	120 ufd:	61 D, 72 L
4 ufd:	18 D, 33 L	18 ufd:	31 D, 45 L	60 ufd:	47 D, 65 L	150 ufd:	62 D, 85 L
6 ufd:	23 D, 33 L	25 ufd:	34 D, 53 L	70 ufd:	49 D, 65 L	200 ufd:	62 D, 110 L

1.0 ufd	\$1.85	5.0 ufd	\$3.40	15.0 ufd	\$6.75	50.0 ufd	\$16.10
1.5	2.15	5.6	3.50	18.0	7.45	60.0	18.95
2.0	2.35	6.0	3.65	20.0	7.65	70.0	20.80
2.2	2.50	6.8	3.90	22.0	7.90	80.0	23.65
2.5	2.55	7.0	3.95	25.0	9.90	100.0	29.10
3.0	2.65	8.0	4.85	30.0	11.25	120.0	35.20
3.3	2.75	9.0	5.20	35.0	12.75	150.0	40.70
4.0	3.05	10.0	5.30	40.0	13.95	200.0	52.50
4.7	3.25	12.0	5.95	45.0	15.60		

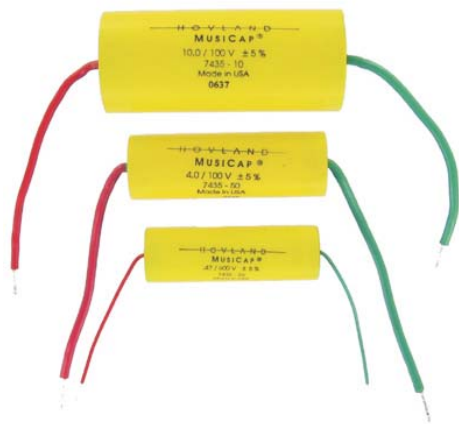
Pairs matched to within 1% of each other; add 10%.

MUSICAP by H O V L A N D

Madisound is pleased to offer Hovland MusiCaps, film and foil polypropylene capacitors, for the speaker builder who can settle for nothing but the best in sound reproduction. MusiCaps have quickly become the standard for extremely high end audio systems, allowing speakers to achieve their ultimate level of performance. MusiCaps provide a dramatic improvement in clarity, focus and dynamics. Although MusiCaps are expensive, the degree of improvement is a value compared to the cost of high end cables and interconnects. Hovland MusiCaps are the component of choice when musical realism is your goal.

F E A T U R E S

- Separate layers of polypropylene film & conductive foil, deliver superior clarity of reproduction
- Custom stranded 16 gauge silver-plated copper leads - no copper oxidation to ever degrade the sound
- Lead-free silver-bearing solder used in tinning and attachment of leads
- Tight $\pm 5\%$ tolerances
- Hand Soldered lead termination
- Extremely low DA, DF and ESR
- 100% pre-testing for absolute quality assurance
- Consistent even winding tension assures freedom from microphonics
- A single capacitor = a singular sound; no time smear from multiple sections
- Manufactured entirely in the USA
- Red lead should be closer to speaker in series connection.



What the reviewers say...

"After auditioning a wide variety of caps, I find these film-and-foil capacitors to be the most musical performers—and by a large margin. The MusiCap specializes in textural liquidity (lack of grain) and delicacy of treble nuances."

Dick Olsher, Reviewer for Samadhi Acoustics

"...the extra ambiance, combined with a very clean treble delivery that seemed far less prone to ringing or sibilance than the other types does make them really quite special."

Domini Baker, HI-FI WORLD SUPPLEMENT

"If you want see-thru, high definition, detail *and* listenability, try the MusiCaps."

Joe Roberts, Editor, SOUND PRACTICES, Issue 6

"The improved signal transmission of the Hovland foil capacitors elevated the [Ariel] speakers to a new level of naturalness, clarity, and immediacy."

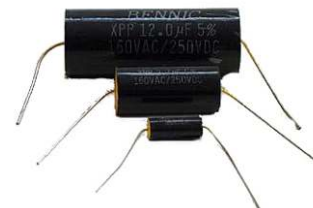
Lynn Olson, POSITIVE FEEDBACK, Vol. 5, No. 4

Value	WVDC	Dimensions (D x L)(Inches)	Price Each
0.01 μf^*	1600V	0.39 x 1.17	\$11.95
0.1 μf^*	600V	0.50 x 1.75	\$13.90
0.22 μf^*	600V	0.62 x 2.00	\$16.55
0.33 μf^*	600V	0.57 x 2.25	\$19.30
0.47 μf^*	600V	0.80 x 2.50	\$22.05
1.0 μf	100V	0.55 x 2.00	\$19.30
1.5 μf	100V	0.70 x 2.00	\$22.40
2.0 μf	100V	0.70 x 2.25	\$25.50
2.2 μf	100V	0.75 x 2.25	\$26.15
2.7 μf	100V	0.80 x 2.25	\$27.65
3.0 μf	100V	0.75 x 2.88	\$28.60
3.3 μf	100V	0.82 x 2.88	\$29.45
4.0 μf	100V	0.85 x 2.88	\$31.90
4.7 μf	100V	0.95 x 2.88	\$33.85
5.0 μf	100V	0.95 x 2.88	\$34.50
5.6 μf	100V	0.95 x 2.88	\$36.70
6.0 μf	100V	0.95 x 2.88	\$38.15
6.8 μf	100V	1.05 x 3.25	\$41.20
7.0 μf	100V	1.05 x 3.25	\$42.00
8.0 μf	100V	1.10 x 3.25	\$45.75
9.0 μf	100V	1.20 x 3.25	\$49.70
10.0 μf	100V	1.35 x 3.25	\$53.40
12.0 μf	100V	1.50 x 3.38	\$62.05
15.0 μf	100V	1.63 x 3.38	\$73.95

Bennic Capacitors (Electrolytic & Polypropylene)

Metallized Polypropylene Capacitors, XPP Series, 160VAC/250VDC

Tolerance Range : +/- 5%
 Dissipation Factor : Maximum 0.07% @ 1KHz
 Operating Temp. : -40°C to +105°C
 Capacitance Drift : Maximum 2% cycled through the operating temp. range
 Insulating Resist. : Min. 10,000 Mega-Ohm X rated caps (mfd) at 25°C
 Life Test : 150% of rated working voltage at 105°C for 1,000 hours
 Lead Length : 40 mm minimum
 Color : Black tape, Yellow body, White wording



Value mfd	D / L mm	Price Each	Value mfd	D / L mm	Price Each
0.1	6 / 16	\$0.30	4.7	19 / 36	\$2.15
0.47	8 / 24	\$0.50	5.6	17 / 45	\$2.40
1.0	10 / 31	\$0.65	6.8	18 / 45	\$2.50
1.5	12 / 31	\$0.80	8.2	20 / 46	\$3.40
2.2	14 / 31	\$1.15	10	23 / 46	\$3.75
2.7	15 / 31	\$1.30	12	22 / 55	\$4.05
3.3	16 / 35	\$1.60	16	24 / 55	\$5.25
3.9	16 / 35	\$1.85			

BI-POLAR ELECTROLYTIC CAPACITORS, 100WV

Tolerance Range : +/- 10% @ 1KHz
 Leakage : Maximum 0.04 CV + 3 µA After Charge 5 Minutes
 Temp. Range : -40°C to +85°C
 Surge Volt : 125 for 100WV
 Lead Length : 40 mm minimum
 Max D.F. : Maximum 5% @1KHz Values 12mfd to 150mfd
 Maximum 10% @1KHz Values 165mfd to 1000mfd
 Color : Blue

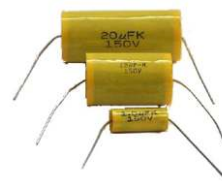


Value mfd	D / L mm	Price Each	Value mfd	D / L mm	Price Each
12	12 / 31	\$0.75	140	22 / 45	\$2.95
18	12 / 31	\$0.85	150	22 / 45	\$3.10
22	12 / 31	\$0.95	165	16 / 42	\$2.90
31	16 / 34	\$1.10	180	16 / 42	\$3.00
40	16 / 34	\$1.25	200	16 / 42	\$3.05
50	16 / 34	\$1.45	250	18 / 42	\$3.75
65	16 / 34	\$1.55	280	18 / 45	\$4.20
80	16 / 42	\$1.80	330	22 / 45	\$4.50
100	18 / 42	\$2.00	500	25 / 51	\$6.15
125	22 / 45	\$2.50	1000	25 / 60	\$9.00

Carli Metallized Polyester Film Capacitors (Mylar)

Carli Metallized Polyester Film Capacitors (Mylar)				
Value µfd	Description	Ø mm	L mm	Price Each
1.0	Mylar 10% 150 volt	8	19	\$0.60
2.7	Mylar 10% 150 volt	10	31	1.00
3.3	Mylar 10% 150 volt	11	25	1.05
3.9	Mylar 10% 150 volt	12	31	1.15
4.7	Mylar 10% 150 volt	13	31	1.25
6.0	Mylar 10% 150 volt	14	31	1.50
6.8	Mylar 10% 150 volt	14	31	1.70
8.0	Mylar 10% 150 volt	16	31	1.95
10.0	Mylar 10% 150 volt	16	31	2.30

Carli Metallized Polyester Film Capacitors (Mylar)				
Value µfd	Description	Ø mm	L mm	Price Each
12.0	Mylar 10% 150 volt	20	31	2.75
15.0	Mylar 10% 150 volt	23	31	3.40
20.0	Mylar 10% 150 volt	21	46	5.00



Supreme Silver/Gold Capacitor



µf	VDC	D*L/mm	Price
0.010	1200	17*34	\$40.00
0.022	1200	17*34	\$40.00
0.047	1200	17*34	\$40.00
0.10	1200	17*34	\$44.10
0.22	1200	19*39	\$50.05
0.47	1200	21*39	\$56.80

The metallisation of the capacitor foil for the MCap Supreme Silver/Gold consists of 99.99% pure silver, to which 1% high purity gold is added. Gold alters the crystalline structure of the silver maximizes its electrical conductivity. This capacitor uses a special inductance-free winding. Two capacitor windings are interleaved (in series), so that their inductances effectively cancel. For example, two 2µf windings are used to make one 1µf capacitor. When embedded in complete silence, instruments and voices can develop their absolute clearness and power. Tolerance ±2%.

mf	VDC	D*L/mm	Price
0.68	1200	26*40	\$62.05
1.00	1200	31*41	\$73.70
2.20	1200	35*54	\$95.05
2.70	1200	35*54	\$106.60
3.30	1200	41*56	\$118.60
3.90	1200	42*57	\$133.30

mf	VDC	D*L/mm	Price
4.70	1200	45*71	\$153.00
5.60	1200	46*72	\$166.65
6.80	1200	51*72	\$187.15
8.20	1200	51*72	\$211.45
10.0	1200	51*106	\$256.40

Supreme Silver/Oil Capacitor



µf	VDC	D*L/mm	Price
0.01	1200	12*27	\$29.00
0.10	1200	16*34	\$29.25
0.15	1200	16*34	\$29.95
0.22	1200	18*37	\$31.05
0.33	1200	18*37	\$32.90
0.47	1200	20*37	\$35.40
0.56	1200	25*38	\$37.80

This product is an oil impregnated, silver metallized polypropylene dielectric capacitor. This capacitor uses a special inductance-free winding. Two capacitor windings are interleaved (in series), so that their inductances effectively cancel. For example, two 2µf windings are used to make one 1µf capacitor. High purity silver (99.99%) is used for the capacitor coating. A special oil has been chosen to contribute to an even fuller and smoother tonal richness and diversity. Mundorf Supreme Silver/Oil capacitors are arguably the best sounding audiophile capacitors available. Tolerance ±2%.

µf	VDC	D*L/mm	Price
0.68	1200	25*38	\$40.50
0.82	1200	30*39	\$44.00
1.00	1200	30*39	\$47.70
1.50	1200	35*39	\$54.35
2.20	1200	40*53	\$62.90
2.70	1200	40*53	\$66.55
3.30	1200	40*53	\$72.70

µf	VDC	D*L/mm	Price
3.90	1200	40*53	\$79.30
4.70	1200	40*69	\$86.20
5.60	1200	45*69	\$95.45
6.80	1200	45*69	\$106.90
8.20	1200	50*68	\$121.25
10.0	1200	45*105	\$145.25

Supreme Polypropylene Capacitor



µf	VDC	D*L/mm	Price
0.10	1200	17*36	\$12.75
0.15	1200	19*38	\$13.95
0.22	1200	20*38	\$15.20
0.33	1200	25*52	\$17.65
0.47	800	20*39	\$18.90
0.56	800	20*39	\$20.15
0.68	800	20*39	\$20.95
0.82	800	20*40	\$21.30

The Supreme capacitor uses the same special induction-free winding technology as the Silver/Oil capacitor. This capacitor is a metallized polypropylene film, with exceptional low loss characteristics. The Supreme is equally suited to electronics as it is for high-end loudspeakers. No matter where you use the MCap Supreme - as a coupling capacitor in your CD player or amplifier, or in the crossover of your speakers - you always get the same surprising and impressive performance. Whether your upgrading a premium system of a price conscious configuration, Supreme will deliver a significant enhancement. Tolerance ±2%

µf	VDC	D*L/mm	Price
1.00	800	20*40	\$22.50
1.50	800	25*55	\$24.60
1.80	800	25*55	\$26.70
2.20	800	25*55	\$27.85
2.70	800	30*56	\$29.10
3.30	800	30*56	\$31.95
3.90	800	30*56	\$34.80
4.70	800	36*56	\$37.70

µf	VDC	D*L/mm	Price
5.60	800	36*56	\$43.05
6.80	800	41*57	\$44.25
8.20	800	36*106	\$52.45
10.0	800	36*106	\$59.40
15.0	800	41*102	\$75.95
22.0	800	50*106	\$104.70



M-Connect 105 Kit
With 6mm Pure Copper Posts
•Price Each Kit \$109.50
105mm Round x 8mm



M-Connect 122 Bi-Wire Kit
With 6mm Pure Copper Posts
•Price Each Kit \$180.80
Strap not included.
122mm x 96mm x 8mm



M-Connect 130 Kit
Available with Pure Copper or Brass 8mm Posts.
•Copper Posts Kit \$137.35 each
•Brass Posts Kit \$107.20 each
130mm round x 8mm



M-Connect 150 Bi-wire Kit
Available with Pure Copper or Brass 8mm Binding Posts
•Copper Posts Kits \$226.05 each
•Brass Posts Kits \$165.75 each
Shorting strap not included.
150mm x 124mm x 8mm



M-Connect 6mm Pure Copper Posts
Red or Black
•\$35.60 each
Includes nuts



M-Connect 8mm Posts
Red or Black, with nuts
•Copper Post Each \$45.60
•Brass Post Each \$30.50



- Metallized Polypropylene
- Tolerance $\pm 5\%$
- Dissipation factor $\leq 0.001@1\text{kHz}$
- **Rated Voltage 630Vdc**
- Dielectric absorption $\leq 0.1\%$
- 10 μm polypropylene film
- Insulated copper leads; hand soldered

SA Range Polypropylene Capacitors

Specially developed to meet the needs of the professional audio engineer in both hi-fi and studio monitoring, these components are the result of extensive consultation between the audio industry and ClarityCap.

The capacitors are wound using a 10 μm (630Vdc) rated polypropylene film. Following a special heat treatment cycle, insulated copper terminals are hand soldered to give the best possible connection.

The inherently low dissipation and dielectric absorption factors of polypropylene allied with an excellent mechanical stability results in an extremely detailed sonic performance. The construction also results in a low self-inductance and ESR and the devices are highly stable with regard to temperature and frequency.

μf	$\text{Ø} \times \text{L (mm)}$	Price	μf	$\text{Ø} \times \text{L (mm)}$	Price
0.10	27 x 19	\$3.70	9.00	42 x 45	\$13.50
0.22	21 x 19	\$3.75	10.0	45 x 45	\$14.10
0.33	27 x 19	\$4.20	12.0	40. x 65	\$15.00
0.47	20 x 28	\$4.30	15.0	45 x 65	\$17.85
1.00	22 x 38	\$4.40	18.0	49 x 65	\$21.15
1.50	23 x 38	\$5.10	20.0	50 x 65	\$23.45
2.20	27 x 38	\$5.80	22.0	53 x 65	\$24.95
3.30	33 x 38	\$7.60	25.0	57 x 65	\$30.10
3.90	35 x 38	\$7.80	30.0	62 x 65	\$35.55
4.70	35 x 38	\$8.05	33.0	65 x 65	\$37.70
5.60	35 x 45	\$9.45	39.0	70 x 65	\$44.15
6.20	35 x 45	\$10.00	47.0	75 x 65	\$51.95
6.80	38 x 45	\$10.95	50.0	78 x 65	\$55.60
8.20	42 x 45	\$12.30		1" = 25.4mm	



- Metallized Polypropylene
- Spindle wound
- Tolerance $\pm 5\%$
- Dissipation factor $\leq 0.001@1\text{kHz}$
- **Rated Voltage 250Vdc**
- Dielectric absorption $\leq 0.1\%$
- 6 μm polypropylene film
- Insulated copper leads; hand soldered

PX Range Polypropylene Capacitors

Constructed from a 250Vdc(6 μm) rated film, this component is spindle wound. It is then given a special heat treatment before it has insulated copper terminals hand soldered to give the best possible connection.

The inherently low dissipation and dielectric absorption factors of polypropylene allied with an excellent mechanical stability results in an extremely detailed sonic performance.

The construction also results in a low self-inductance and ESR (Equivalent Series Resistance) and the devices are highly stable with regard to temperature and frequency.

μf	W x H x L (mm)	Price	μf	W x H x L (mm)	Price
0.47	14 x 9 x 19	\$1.90	12.0	28 x 26 x 45	\$7.30
1.00	15 x 10 x 28	\$2.15	15.0	35 x 30 x 45	\$9.20
1.50	13 x 18 x 28	\$2.45	18.0	37 x 34 x 45	\$10.90
2.20	19 x 15 x 28	\$2.65	20.0	37 x 35 x 45	\$11.75
3.30	23 x 19 x 28	\$2.65	22.0	40 x 38 x 45	\$12.55
3.90	23 x 18 x 33	\$3.20	25.0	43 x 40 x 45	\$13.90
4.70	25 x 20 x 33	\$3.85	30.0	42 x 37 x 60	\$15.40
5.00	25 x 20 x 33	\$4.00	39.0	47 x 43 x 60	\$18.95
5.60	27 x 22 x 33	\$4.40	47.0	52 x 46 x 60	\$22.40
6.00	27 x 23 x 33	\$4.55	50.0	52 x 50 x 60	\$25.00
6.80	25 x 28 x 33	\$4.90	68.0	60 x 57 x 60	\$30.95
8.20	27 x 22 x 45	\$5.40	82.0	65 x 65 x 60	\$37.35
9.00	27 x 23 x 45	\$5.60	100.0	71 x 71 x 60	\$46.60
10.0	28 x 25 x 45	\$5.90		1" = 25.4mm	



Retail Price List • Effective January 1, 2007

RCA TYPE CONNECTORS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

	Retail
WBT-0101 Topline	\$34.00
WBT-0101-KIT 4 Plugs, WBT™ solder, Torx™ key, boxed	\$140.00
Ultra fine machining grants smooth operation of unit. Unique plating process with final plating of 24k gold. Patented WBT™ barrel provides both adjustment and locking function. The barrel is finished in polished ruthenium. A slotted center pin allows a perfect fit. Teflon™ insulation. Strain relief captured with Torx™ T6 size set screw. Maximum cable diameter allowed is 9mm² / 0.354 inches².	
WBT-0102Ag nextgen™ Signature (hybrid)	\$59.00
WBT-0102Ag-KIT 4 Plugs, WBT™ solder, Torx™ key, boxed	\$240.00
Contacts utilize passivated pure fine silver. The body is constructed with brass and then platinum plated to give a nice aesthetic appeal. The central contact assembly is made of Ultramid® and the negative contact uses Dyneon™. The barrel is comprised of brass with a shiny black piano lacquer finish. A characteristic impedance of 75 ohms makes this a perfect match for digital audio and video. The maximum size conductor that can be used is 1.5mm² / 16-17 AWG. Maximum diameter of cable with dielectric is 9mm² / 0.354 inches². The barrel is offered in black only.	
WBT-0102Cu nextgen™ Topline (hybrid)	\$39.00
WBT-0102Cu-KIT 4 Plugs, WBT™ solder, Torx™ key, boxed	\$160.00
As above with contacts manufactured from pure oxygen free copper which is plated with a thin layer of 24k gold to provide protection from oxidation. The barrel is offered in black only.	
WBT-0108 Topline	\$41.00
WBT-0108-KIT 4 Plugs, Torx™ key, boxed	\$168.00
Crimp version of the WBT-0101. It is recommended that the signal contact (maximum 16 AWG) and ground (maximum 14 AWG) conductors first be prepared with a crimp sleeve. Connection is made by fastening the conductors with the supplied Torx™ T6 size set screws. The greatest cable diameter that can be accommodated is 9mm² / 0.354 inches².	



Retail Price List • Effective January 1, 2007

RCA TYPE CONNECTORS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE



WBT-0110Ag nextgen™ Signature (pure)

Retail

\$57.00

WBT-0110Ag-KIT

4 Plugs, WBT™ solder, Torx™ key, boxed

\$232.00

Passivated pure fine silver contacts. The body is constructed of Ultramid®, while the negative contact uses Dyneon™. The Barrel is comprised of Al/Mg alloy for improved rejection of EMI. With a characteristic impedance of 75 ohms, the WBT-0110 makes the perfect match for digital audio and video. The maximum size conductor that can be used is 1.5mm² / 16-17 AWG. Maximum diameter of cable with dielectric is 9mm² / 0.354 inches². Connector body available in nine different colors for multichannel identification. The barrel is offered in cobalt blue only.



WBT-0110Cu nextgen™ Topline (pure)

\$35.00

WBT-0110Cu-KIT

4 Plugs, WBT™ solder, Torx™ key, boxed

\$144.00

As above with contacts manufactured from pure oxygen free copper and plated with a thin layer of 24k gold to provide protection from oxidation. Barrel offered in cobalt blue only



WBT-0144 Midline

\$21.00

WBT-0144-KIT

4 Plugs, WBT™ solder, Torx™ key, boxed

\$88.00

As a midline offering of the WBT-0101, this connector has all the same style and finesse. Differences include a barrel finished in matte black, lower yet efficient machining tolerances and lesser percentage oxygen free copper alloy stock. The largest outside diameter cable that can be accepted by this RCA type connector is 9mm² / 0.354 inches².



WBT-0147 Midline

\$21.00

WBT-0147-KIT

4 Plugs, WBT™ solder, Torx™ key, boxed

\$88.00

While being a compact version of the WBT-0144, shorter and thinner, this connector works well on smaller diameter cables. With a maximum cable diameter of 7.8mm² / 0.307 inches², this is the smallest RCA type plug manufactured by WBT.

**WBT-0150 Topline**

Retail

\$39.00

WBT-0150-KIT

2 Plugs, WBT™ solder, Torx™ key, boxed

\$82.00

This connector is an oversized version of the WBT-0101 with similar construction and features. Accommodates a cable diameter between 9.1-11.3 mm² / 0.358-0.445 inches².

**WBT-0152Ag nextgen™ Signature (hybrid)**

\$59.00

WBT-0152Ag-KIT

4 Plugs, WBT™ solder, Torx™ key, boxed

\$240.00

A new (2007) version of the WBT-0150 connector. Improved to utilize the nextgen™ insert. Contacts utilize passivated pure fine silver. The body is constructed with brass and then platinum plated to give a nice aesthetic appeal. The central contact assembly is made of Ultramid® and the negative contact uses Dyneon™. The barrel is comprised of brass and finished in a glossy piano black color. A characteristic impedance of 75 ohms makes this a perfect match for digital audio and video. The maximum size conductor that can be used is 1.5mm² / 16-17 AWG. Maximum diameter of cable with dielectric is 9.1-11.3 mm² / 0.358-0.445 inches².

The barrel is offered in black only.

**WBT-0152Cu nextgen™ Topline (hybrid)**

\$39.00

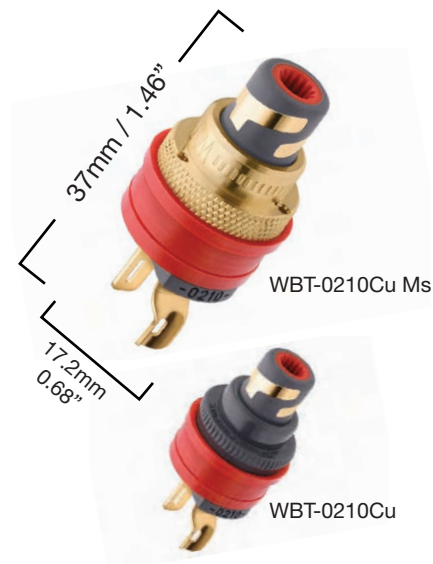
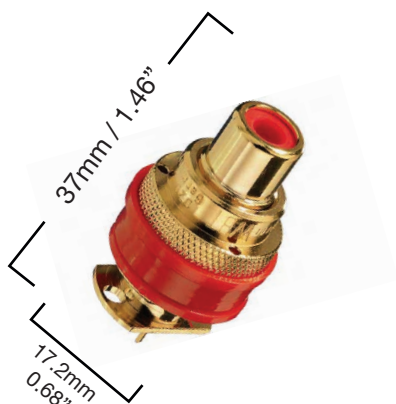
WBT-0152Cu-KIT

4 Plugs, WBT™ solder, Torx™ key, boxed

\$160.00

As above with contacts manufactured from pure oxygen free copper which is plated with a thin layer of 24k gold to provide protection from oxidation. The barrel is offered in black only.

[illegible]



Retail Price List • Effective January 1, 2007

RCA TYPE SOCKETS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

	Retail
WBT-0201 Topline	\$29.00
WBT-0201-KIT 2 Sockets, WBT™ solder, boxed	\$62.00

This RCA type socket is a favorite among many audio enthusiasts. Featuring 99.996% high copper content, the dual prism spring loaded contact, WBT's 24k gold supra-plating process and Teflon™ dielectric. Socket tightens from the outside of a chassis using the included mounting nut. The complete unit includes insulation washers to accommodate a panel thickness from 0.1mm - 4.2mm.

WBT-0210Ag Ms nextgen™ Signature (metal nut)	\$53.00
WBT-0210Ag Ms-KIT (metal nut) 2 Sockets, WBT™ solder, boxed	\$110.00
WBT-0210Ag nextgen™ Signature (pure)	\$51.00
WBT-0210Ag-KIT (pure) 2 Sockets, WBT™ solder, boxed	\$106.00

The highest quality socket available on the market, with passivated pure fine silver contacts for both positive and negative connections. The positive contact utilizes a new tulip shaped spring loaded design to assure a secure connection. Air used as a dielectric surrounds the positive contact. The main body is comprised of 30% glass reinforced Ultramid® with the ground (negative) contact embedded within the connector. The complete unit includes removable insulation washers to accommodate a panel thickness from 0.1mm - 4.2mm.

WBT-0210Cu Ms nextgen™ Signature (metal nut)	\$31.00
WBT-0210Cu Ms-KIT (metal nut) 2 Sockets, WBT™ solder, boxed	\$66.00
WBT-0210Cu nextgen™ Signature (pure)	\$29.00
WBT-0210Cu-KIT (pure) 2 Sockets, WBT™ solder, boxed	\$62.00

As above with both contacts, positive and negative, manufactured from pure oxygen free copper and plated with a thin layer of 24k gold to provide protection from oxidation.



Retail Price List • Effective January 1, 2007

RCA TYPE SOCKETS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

PCB MOUNT

WBT-0234 Topline

Retail

\$35.00

Right angle, printed circuit board version of the WBT-0201 with a screw to secure the connection to a printed circuit board. The ground contact is made through the securing screw to the PCB and two additional solder points. The signal, or positive contact, has one solder contact point.

WBT-0244 Midline

\$29.00

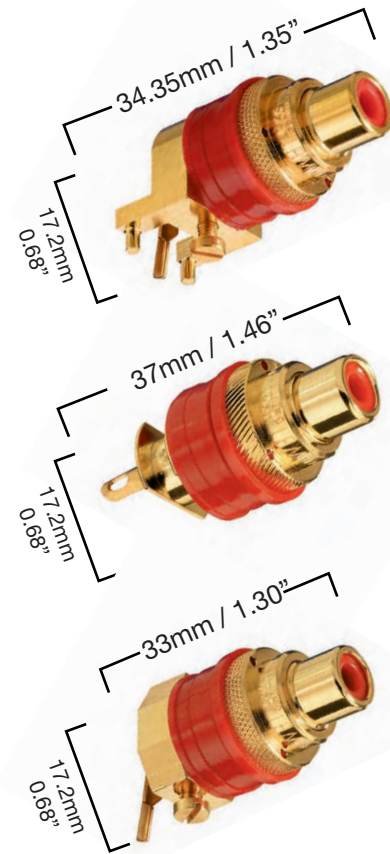
The WBT-0244 is a midline version of the WBT-0201 which differs in the copper content of the main body and the machining tolerances.

PCB MOUNT

WBT-0274 Midline

\$29.00

A midline offering of the WBT-0234, this connector provides a single ground and signal or positive mounting position. The socket body is machined of a lower percentage copper alloy, but the positive contact is made of 99.996% pure copper as with all WBT sockets.



At a Glance RCA Socket Comparison Chart

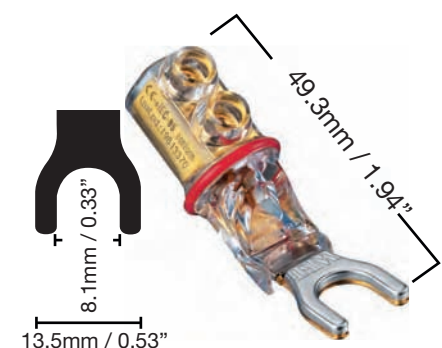
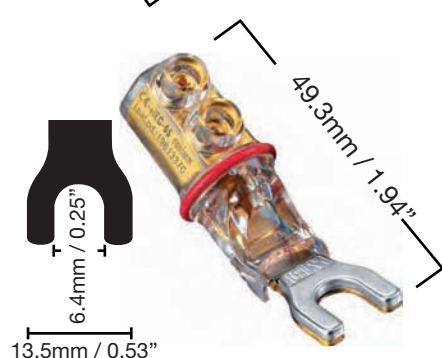
At a Glance RCA Socket Comparison Chart						Termination			Available marking colors for multichannel identification									
RCA SOCKETS	Final body finish	External plating, layers & thickness	Maximum cable diameter size accepted	Metallurgic properties of signal contact area	Properties of connector body	Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black	
	WBT0201	24k gold	nickel free 2 layers Bronze 5µm Au 0.3µm	1.5mm² 16 AWG	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™ insulated	68% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●			●		●				○		
	WBT0210Ag WBT0210Ag Ms (Ms=metal nut)	grey Ultramid™	non metal	1.5mm² 16 AWG	100% fine silver (passivated)	main body of Ultramid™ 0.1-4.2mm mounting panel thickness	●			●	●	●	●	●	○	●	●	
	WBT0210Cu WBT0210Cu Ms (Ms=metal nut)	grey Ultramid™	non metal	1.5mm² 16 AWG	99.996% oxygen free copper with 0.5µm 24k gold plating	main body of Ultramid™ 0.1-4.2mm mounting panel thickness	●			●	●	●	●	●	○	●	●	
	WBT0234	24k gold	nickel free 5 layers Cu 11µm duplex Pd 4µm Au 0.3µm duplex	printed circuit board mounting (right angle)	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™ insulated	68% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●		●	●	●				○			
	WBT0244	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	2.5mm² 14AWG	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™Insulated	55% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●			●	●				○			
	WBT0274	24k gold	3 layers Cu 1.5 µm Ni 8.0 µm Au 0.2 µm	printed circuit board mounting (right angle)	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™ insulated	55% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●		●	●	●				○			



Retail Price List • Effective January 1, 2007

SPEAKER CONNECTORS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE



WBT-0600 Topline

Retail

\$36.00

WBT-0600-KIT

4 Plugs, 1 Torx™ key, boxed

\$148.00

Top quality banana plug with robust design and sleeve with polished ruthenium finish. Offering high contact pressure due to an expanding inner spike ensures a solid mechanical fit. Termination fitted with two Torx™ screws size T6 for secure crimp connection as well as cable strain relief. Easy fit for wire size up to 10mm² / 8 AWG.

WBT-0644 Midline

\$24.00

WBT-0644-KIT

4 Plugs, 1 Torx™ key, boxed

\$100.00

A midline offering of the WBT-0600. Differences include a barrel finished in black, lower yet efficient machining tolerances and lesser grade oxygen free copper alloy stock. The largest diameter cable accepted for termination is 10mm² / 8 AWG.

CE COMPLIANT

STACKABLE

WBT-0645 Midline - Safety Line

\$24.00

WBT-0645-KIT

4 Plugs, 1 Torx™ key, boxed

\$100.00

An Innovative banana plug approved worldwide as a loudspeaker cable connector due to the safety pin design. It is fully insulated using Makrolon®. A secure connection is possible through an expanding inner spike which provides high clamping power. Using only one hand, cables can be connected in tight spaces with just thumb and forefinger. The WBT-0645 is stackable for bi-wiring. Two Torx™ screws for extra tight pressure connection and additional cable strain relief. Connector can accommodate a cable diameter size of 10mm² / 8 AWG.

CE COMPLIANT

WBT-0660Cu Topline

\$22.00

WBT-0660Cu-KIT

4 Plugs, 1 Torx™ key, boxed

\$92.00

High current spade lug with elastomeric shock absorber for progressive contact pressure eliminating structure born and air born noise as well as magnetostriction. Fully insulated body conforms to international safety standards. 1/4 inch / 6.4mm sandwich spade connector. Pure oxygen free copper contact is direct gold plated to protect against oxidation. Easy fit for wire sizes up to 10mm² / 8AWG.

CE COMPLIANT

WBT-0680Cu Topline

\$22.00

WBT-0680Cu-KIT

4 Plugs, 1 Torx™ key, boxed

\$92.00

Same as the WBT-0660Cu but in a larger size of 5/16 inch / 8.1mm sandwich spade connector. Easy fit for wire sizes up to 10mm² / 8AWG.


Retail Price List • Effective January 1, 2007
SPEAKER CONNECTORS - RoHS COMPLIANT
ILLUSTRATIONS NOT TO SCALE
CE COMPLIANT
WBT-0660Ag Signature

Retail

\$44.00

WBT-0660Ag-KIT

4 Plugs, 1 Torx™ key, boxed

\$180.00

1/4 inch / 6.4mm sandwich spade connector. Pure fine silver contact is direct platinum plated to protect against tarnish. High current spade lug with elastomeric shock absorber for progressive contact pressure eliminating structure born and air born noise as well as magnetostriction. Fully insulated body is safe to use and conforms to international safety standards. Easy fit for wire sizes up to 10mm² / 8AWG.

CE COMPLIANT
WBT-0680Ag Signature

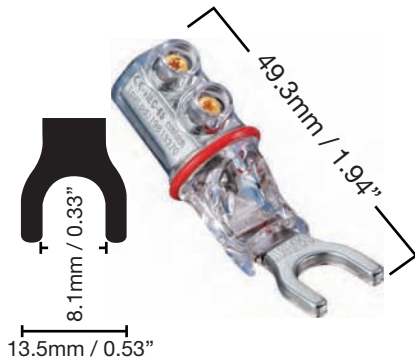
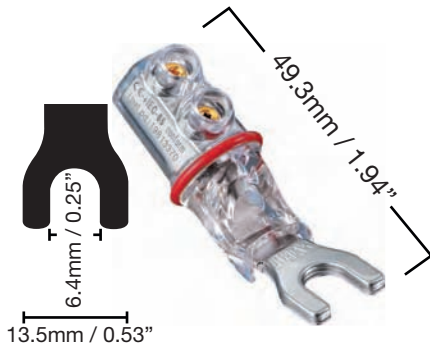
\$44.00

WBT-0680Ag-KIT

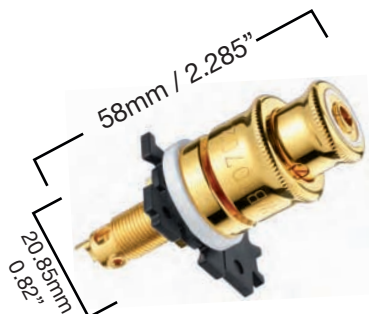
4 Plugs, 1 Torx™ key, boxed

\$180.00

Same as the WBT-0660Ag but in a larger size of 5/16 inch / 8.1mm sandwich spade connector. Pure fine silver contact is direct platinum plated to protect contact metal from tarnish. Easy fit for wire sizes up to 10mm² / 8AWG.


At a Glance Speaker Connector Comparison Chart

SPEAKER CONNECTORS	Final body finish	External plating, layers & thickness	Metallurgic properties of signal contact area	Properties of connector body	Termination				Available marking colors for Multichannel identification							
					Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
WBT0600	24k gold plated	nickel free 5 layers Cu 11µm duplex Pd 4µm Au 0.3µm duplex	68% oxygen free copper alloy	68% oxygen free copper alloy	●	●		●						○		●
WBT0644	24k gold plated	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	52% oxygen free copper alloy	52% oxygen free copper alloy	●	●		●						○		●
WBT0645	Makrolon™ over 24k gold plating	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	55% oxygen free copper alloy	55% oxygen free copper alloy CE and IEC 65 compliant		●		●						○		●
WBT0660Cu	Makrolon™ over 24k gold plating	24k gold plating	99.996% copper	3 part: brass cage, pure CU contact, stainless steel former CE and IEC 65 compliant		●		●						○		●
WBT0680Cu	Makrolon™ over 24k gold plating	24k gold plating	99.996% copper	3 part: brass cage, pure CU contact, stainless steel former CE and IEC 65 compliant		●		●						○		●
WBT0660Ag	Makrolon™ over platinum plating	platinum plating	pure fine silver	3 part: brass cage, pure Ag contact, stainless steel former CE and IEC 65 compliant		●		●						○		●
WBT0680Ag	Makrolon™ over platinum plating	platinum plating	pure fine silver	3 part: brass cage, pure Ag contact, stainless steel former CE and IEC 65 compliant		●		●						○		●



Retail Price List • Effective January 1, 2007

BINDING POSTS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

	Retail
WBT-0702.01 Topline	\$53.00
WBT-0702.01-KIT 2 posts, 1 Torx™ key, boxed	\$110.00
With a 400 ampere continuous current capability, this is the perfect size binding post for demanding applications. A patented clamping mechanism makes it possible for high compression connection of spades and crimped wire ends up to 6mm² (10AWG). By means of a collet chucking device, any 4mm² banana plug can be securely clamped. Milled grooves on both sides of the compression plate provide high strength for connection of spades. No tools are required to provide a secure connection. Finger tightening is all that is required. This connector will not fit on 3/4" or 19mm center to center spacing.	
WBT-0702.03 Topline	\$51.00
WBT-0702.03-KIT 2 posts, 1 Torx™ key, boxed	\$106.00
Same as above (WBT-0702.01) but with a glass bead blasted finish in velours chromium. Looks like sand blasted nickel.	
WBT-0702.11 Signature	\$64.00
WBT-0702.11-KIT 2 posts, 1 Torx™ key, boxed	\$132.00
Comparable design as the WBT-0702.01 except it is manufactured using cold rolled 68% copper alloy. The connector is then plated with a single layer of 24k gold to protect against oxidation. Finally, it is polished by hand to give an extreme finish.	
WBT-0702.12 Signature	\$64.00
WBT-0702.12-KIT 2 posts, 1 Torx™ key, boxed	\$132.00
This binding post makes use of the same features as the WBT-0702.11 but with a highly polished platinum finish.	
CE COMPLIANT	
WBT-0710Ag nextgen™ Signature	\$60.00
WBT-0710Ag-KIT 4 posts, WBT™ solder, boxed	\$244.00

A 30 ampere continuous current rating makes this connector sufficient for most audio functions. Made with passivated pure fine silver. Spade lugs measuring 6mm, standard 4 mm² banana plugs and wire with a diameter of 6mm² (10AWG) can be accepted. Maximum mounting depth of 4mm without use of puzzle washer. Recommended use with WBT mounting plates on page 17. Can be terminated with 6.1mm / 0.25 inch quick disconnect found on page 15.



BINDING POSTS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

CE COMPLIANT

WBT-0710Cu nextgen™ Topline

Retail

\$39.00

WBT-0710Cu-KIT

4 posts, WBT™ solder, boxed

\$160.00

With the same manufacturing design as the WBT-0710Ag but created using 99.996% pure oxygen free copper. The connector is then plated with a single layer of 24k gold to protect against oxidation.

CE COMPLIANT

WBT-0710Cu mC nextgen™ Topline

\$39.00

WBT-0710Cu mC-KIT

4 posts, WBT™ solder, boxed

\$160.00

Brother to the WBT-0710Cu but with a velours chromium tightening nut.

WBT-0730.01 Topline

\$29.00

WBT-0730.01-KIT

4 posts, 2 spacer blocks, 1 Torx™ key, boxed

\$120.00

A 200 ampere continuous current rating makes this connector sufficient for most functions. Spade connectors are securely held with a patented high compression design. Wire with a diameter of 6mm² (10AWG) can also be accepted. Accepts 4 mm² banana plugs.

WBT-0730.11 Signature

\$38.00

WBT-0730.11-KIT

4 posts, 2 spacer blocks, 1 Torx™ key, boxed

\$156.00

With the same manufacturing design as the WBT-0730.01 but created using cold rolled 68% copper alloy. The connector is then plated with a single layer of 24k gold to protect against oxidation. Finally, it is polished by hand to give an extreme finish.

WBT-0730.12 Signature

\$38.00

WBT-0730.12-KIT

4 posts, 2 spacer blocks, 1 Torx™ key, boxed

\$156.00

Brother to the WBT-0730.11 but with a highly polished platinum finish.

CE COMPLIANT

WBT-0735 Topline – Safety Line

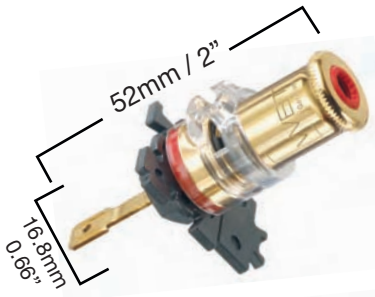
\$32.00

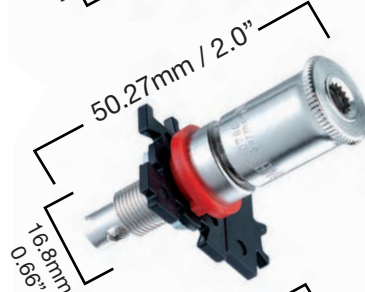
WBT-0735-KIT

4 posts, 2 spacer blocks, 1 Torx™ key, boxed

\$132.00

Utilizing a full insulation of Makrolon®, this binding post is part of WBT's safety line and is a CE and IEC compliant version of the WBT-0730.01.





Retail Price List • Effective January 1, 2007

BINDING POSTS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

	Retail
WBT-0763 Midline	\$24.00
WBT-0763-KIT 4 posts, WBT™ solder, boxed	\$100.00

A standard binding post for many high end amplifier and loudspeaker companies. This binding post features a patented rotating collar design that requires only finger tightening to securely fasten a spade. Able to handle 200 amperes of continuous current, this is just the right size binding post for nearly all applications. Set screw not included.

PCB MOUNT

WBT-0764 Midline	\$29.00
WBT-0764-KIT 4 posts, WBT™ solder, boxed	\$120.00

Screw on printed circuit board version of the WBT-0763, can also accept ring terminal lugs.

CE COMPLIANT

WBT-0765 Midline – Safety Line	\$29.00
WBT-0765-KIT 4 posts, WBT™ solder, boxed	\$120.00

Using full insulation of Makrolon®, this binding post is part of WBT's safety line and is a CE and IEC compliant version of the WBT-0763

CE COMPLIANT

PCB MOUNT

WBT-0766 Midline – Safety Line	\$32.00
WBT-0766-KIT 4 posts, WBT™ solder, boxed	\$132.00

With the same characteristics as the WBT-0765 except this post is designed for direct mounting on printed circuit board with included bolt and lock washer.

PCB MOUNT

WBT-0780 Economy	\$22.00
-------------------------	---------

WBT's least expensive binding post model featuring a unique finish of velours chromium and is manufactured from brass. Available termination options include crimp, solder and bolt on printed circuit board. Crimp screw and set screw can be purchased separately.

CE COMPLIANT

PCB MOUNT

WBT-0785 Economy – Safety Line	\$24.00
---------------------------------------	---------

The WBT-0785 is a safety line version of the WBT-0780.



BINDING POSTS - INCLUDES INSULATING WASHER AND SET NUT

ILLUSTRATIONS NOT TO SCALE

At a Glance Binding Post Comparison Chart						Termination			Available marking colors for Multichannel identification								
All terminals can be installed at 90° steps, 30° and 45° steps when used with WBT-9404 8.5 Nm torque = 6.273 Ft Lbs, 1.1 Nm torque = 0.8118 Ft Lbs						Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
BINDING POSTS	Final body finish	External Plating, layers & thickness	Maximum Cable diamater accepted	Metallurgic properties	Special Notes												
WBT0702.01	24k gold	nickel free 3 layers Cu 11µm Pd 4µm Au 0.3µm	4mm ² banana 1/4" spade 5/16" spade 10 AWG	68% oxygen free copper alloy	locking collet for 4mm ² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0702.03	velours chromium	glass bead blasted 1 layer Ni 5.0µm	4mm ² banana 1/4" spade 5/16" spade 10 AWG	68% oxygen free copper alloy	locking collet for 4mm ² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0702.11	24k gold (highly polished)	1 layer Au 0.3µm	4mm ² banana 1/4" spade 5/16" spade 10 AWG	68% cold rolled oxygen free copper alloy	locking collet for 4mm ² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0702.12	platinum (highly polished)	1 layer Pt 0.3µm	4mm ² banana 1/4" spade 5/16" spade 10 AWG	68% cold rolled oxygen free copper alloy	locking collet for 4mm ² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0710Ag	CE-compliant Tedur™	none	4mm ² banana 1/4" spade 5/16" spade 10 AWG	100% pure fine silver passivated	Internal pressure damping ring maximum mounting depth is 4mm	●	●		●						○		●
WBT0710Cu	CE-compliant Tedur™	none	4mm ² banana 1/4" spade 5/16" spade 10 AWG	99.996% oxygen free copper plated with 24k Au	Internal pressure damping ring maximum mounting depth is 4mm	●	●		●						○		●
WBT0710Cu mC	CE-compliant Tedur™	none	4mm ² banana 1/4" spade 5/16" spade 10 AWG	99.996% oxygen free copper plated with 24k Au	Internal pressure damping ring maximum mounting depth is 4mm	●	●		●						○		●
WBT0730.01	24k gold	nickel free 3 layers Cu 11µm Pd 4µm Au 0.3µm	4mm ² banana 1/4" spade 10 AWG	68% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0730.11	24k gold (highly polished)	1 layer Au 0.3µm	4mm ² banana 1/4" spade 10 AWG	68% cold rolled oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0730.12	platinum (highly polished)	1 layer Pt 0.3µm	4mm ² banana 1/4" spade 10 AWG	68% cold rolled oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0735	CE-compliant Makrolon™ over 24k gold	nickel free 3 layers Cu 11µm Pd 4µm Au 0.3µm	4mm ² banana 1/4" spade 10 AWG	68% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0763	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	4mm ² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0764	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	4mm ² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm	●		●	●						○		●
WBT0765	CE-compliant Makrolon™ over 24k gold	3 layers Cu 11µm Ni 4.0µm Au 0.3µm	4mm ² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●

BINDING POST CONTINUED

ILLUSTRATIONS NOT TO SCALE

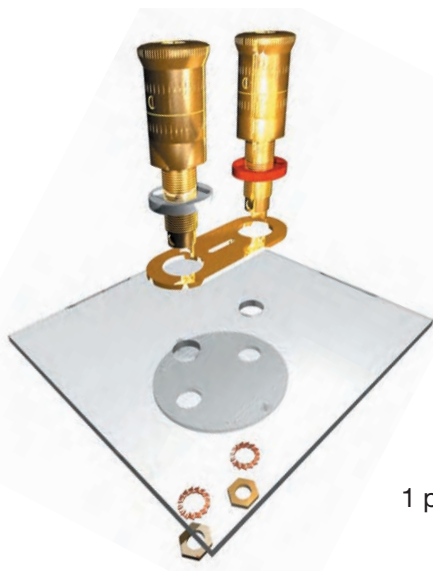
At a Glance Binding Post Comparison Chart Continued						Termination			Available marking colors for Multichannel identification									
All terminals can be installed at 90° steps, 30° and 45° steps when used with WBT-9404 8.5 Nm torque = 6.273 Ft Lbs, 1.1 Nm torque = 0.8118 Ft Lbs						Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black	
BINDING POSTS	Final body finish	External plating, layers & thickness	Maximum cable diameter accepted	Metallurgic properties	Special Notes													
WBT0766	CE-compliant Makrolon™ over 24k gold	3 layers Cu 11µm Ni 4.0µm Au 0.3µm	4mm² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm	●		●	●							○		●
WBT0780	velours chromium	glass bead blasted 1 layer Ni 5.0µm	4mm² banana 1/4" spade 10 AWG	brass	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm	●	●	●	●							○		●
WBT0785	CE-compliant Makrolon™ over velours chromium	glass bead blasted 1 layer Ni 5.0µm	4mm² banana 1/4" spade 10 AWG	brass	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm	●	●	●	●							○		●

BINDING POST ACCESSORIES - RoHS COMPLIANT**WBT-0715 Extension bolt**

Retail

\$8.00

Extension piece used with WBT binding posts to accommodate mounting into material with a thickness from 9mm - 50mm / (0.35" - 2"). Comes with mounting nut and aggressive lock washer. This piece is machined of brass.

**WBT-0716 Thick panel mounting kit**

Gold plated finish

\$15.00

WBT-0719 Thick panel mounting kit

Chromium Velours finish

\$15.00

Suggested use requires counter sinking of cabinet with a router or 50mm Forstner drill bit.



1 plastic interior bracket

1 gold-plated brass exterior bracket
or

1 velours chromium exterior bracket

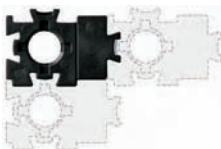


2 fan shaped washers



BINDING POST ACCESSORIES CONTINUED

ILLUSTRATIONS NOT TO SCALE

	Retail
	WBT-0799 Safety Stick Specially shaped plastic peg inserts into binding post banana hole. Required to accomplish CE safety conformity (red, white & black).
	WBT-9404 Spacer Block – 3/4" (19mm) spacing Fits all binding posts except WBT-0702 and WBT-0710 series. Plastic insulating spacer block. Available in red, white, or black. Post can adjust in angle every 30 or 45 degrees.
	WBT-0721 PCB Adapter Block Fastens horizontally or vertically to circuit board with included bolt and lock washer. Torx™ screw fastens jumper wire, other end of lead wire connects to binding post.
	WBT-9102 Antifatigue Bolt Antifatigue bolt with fan shape washer. Used with WBT-0780 and WBT-0785.
	WBT-9150 Fan Shape Lock Washer Recommended addition to all WBT binding posts.
	WBT-9302 Chrome Plated Counternut, M9 thread Specialty nut only available from WBT.
	WBT-9303 Gold Plated Counternut, M9 thread Specialty nut only available from WBT.
	Replacement T-6 Torx™ Set Screws Available 4mm - 8mm lengths. Please specify length when ordering.
	WBT-QD25 Gold plated brass quick disconnect for use with WBT-0710 series binding posts. Allows solder free connection to binding post.
	WBT-9410 To take best advantage of the puzzle washers, at least two should be clipped together. They can be arranged to obtain either 0.75" (19mm) or 1.181" (30mm) spacing. The puzzle washer allows a very tight terminal installation on housings from 0.1mm - 10mm thickness.



WBT-0540.05 Shown



WBT-0541.05 Shown

Retail Price List • Effective January 1, 2007

MOUNTING PLATES & ASSEMBLIES - RoHS COMPLIANT**ILLUSTRATIONS NOT TO SCALE**

	Retail
WBT-0510.05 Two post assembly Clear anodized aluminum finish.	\$99.00
WBT-0510.06 Two post assembly Black anodized finish.	\$99.00
Anodized aluminum plate with two WBT-0763 Midline posts. Includes a closed cell foam rubber gasket and 4 wood screws.	
WBT-0520.05 Two post assembly Clear anodized aluminum finish.	\$106.00
WBT-0520.06 Two post assembly Black anodized finish.	\$106.00
Anodized aluminum plate with two WBT-0765 safety line posts. Includes a closed cell foam rubber gasket and 4 wood screws.	
WBT-0540.05 Two post assembly Clear anodized aluminum finish.	\$136.00
WBT-0540.06 Two post assembly Black anodized finish.	\$136.00
Anodized aluminum plate with two WBT-0710Cu safety line posts. Includes a closed cell foam rubber gasket and 4 wood screws.	
WBT-0511.05 Four post assembly Clear anodized aluminum finish.	\$159.00
WBT-0511.06 Four post assembly Black anodized finish.	\$159.00
Anodized aluminum plate with four WBT-0763 Midline posts. Includes a closed cell foam rubber gasket and 6 wood screws.	
WBT-0521.05 Four post assembly Clear anodized aluminum finish.	\$172.00
WBT-0521.06 Four post assembly Black anodized finish.	\$172.00
Anodized aluminum plate with four WBT-0765 safety line posts. Includes a closed cell foam rubber gasket and 6 wood screws.	
WBT-0541.05 Four post assembly Clear anodized aluminum finish.	\$231.00
WBT-0541.06 Four post assembly Black anodized finish.	\$231.00
Anodized aluminum plate with four WBT-0710Cu safety line posts. Includes a closed cell foam rubber gasket and 6 wood screws.	

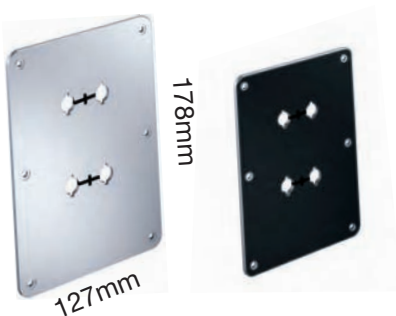
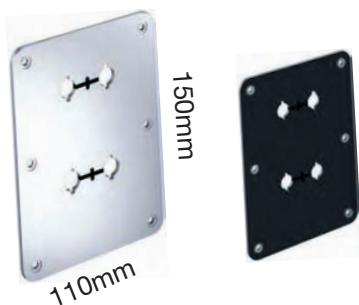
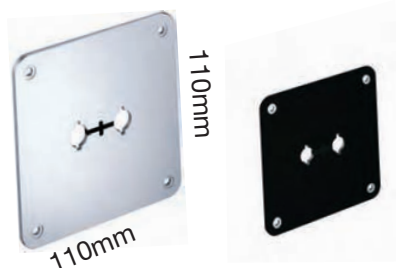


MOUNTING PLATES & ASSEMBLIES - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE



WBT-0542.05 Shown



WBT-0512.05 Four post assembly

Clear anodized aluminum finish.

Retail

\$165.00

WBT-0512.06 Four post assembly

Black anodized finish.

\$165.00

Anodized aluminum plate with four WBT-0763 Midline posts.
Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0522.05 Four post assembly

Clear anodized aluminum finish.

\$179.00

WBT-0522.06 Four post assembly

Black anodized finish.

\$179.00

Anodized aluminum plate with four WBT-0765 safety line posts.
Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0542.05 Four post assembly

Clear anodized aluminum finish.

\$238.00

WBT-0542.06 Four post assembly

Black anodized finish.

\$238.00

Anodized aluminum plate with four WBT-0710Cu safety line posts. Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0530.05

Clear anodized aluminum finish.

\$58.00

WBT-0530.06

Black anodized finish.

\$58.00

Punched for 2 posts. Includes a closed cell foam rubber gasket and 4 wood screws.

WBT-0531.05 (Bi-Wire)

Clear anodized aluminum finish.

\$76.00

WBT-0531.06 (Bi-Wire)

Black anodized finish.

\$76.00

Punched for 4 posts. Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0532.05 (Bi-Wire)

Clear anodized aluminum finish.

\$83.00

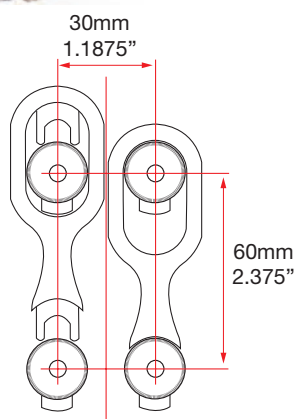
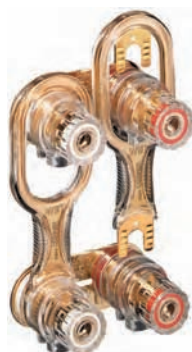
WBT-0532.06 (Bi-Wire)

Black anodized finish.

\$83.00

Punched for 4 posts. Includes a closed cell foam rubber gasket and 6 wood screws.

Custom Laser engraving of graphics and/or text available for all Mounting Plates. Call for Pricing.


Retail Price List • Effective January 1, 2007
POWER BRIDGE JUMPER - RoHS COMPLIANT
ILLUSTRATIONS NOT TO SCALE

WBT-0725 Cu Power Bridge - Safety Line

Pure copper, gold plated

Retail

\$17.00

WBT-0725 Ag Power Bridge - Safety Line

Pure silver, platinum plated

\$34.00

WBT-0726 Economy Power Bridge

 Pure copper, velour chromium plated
 Non-insulated and not vibration damped

\$8.00

Designed primarily for the OEM market to meet strict European CE safety standards, the WBT-0725 Cu/Ag Power bridge replaces the brass jumpers found as standard equipment on most speakers.

Uninsulated jumpers are no longer legal in Europe as they pose a shock threat due to lack of insulation. The WBT Power Bridges address this problem as they are fully insulated with Makrolon® plastic for shock protection and, because both terminals are removed at the same time, the “live-wire” situation is avoided. The back of the Power Bridge is damped with an elastomer to minimize vibration.

Power Bridges can be used in conjunction with any WBT™ binding post (except the WBT-0702 series). When purchased with WBT™ posts, Power Bridges make an excellent modification to any bi-wire loudspeaker. Please refer to the diagram to the left for required mounting dimensions. These dimensions are the only that work. The WBT power bridges are not flexible.

Tools

Retail

WBT-0198 nextgen™ assembly tool

\$3.00

Used for the unassembled and assembly of nextgen series of RCA type plugs. One tool is all that is required.

WBT-0299 RCA Socket Wrench

\$44.00

Specially designed for tightening the metal mounting nut on WBT™ RCA type sockets. Spike on tool fits into hole in mounting nut. Permits tightening without scratching the nut or socket.

WBT-0717 Holding Tool

\$65.00

Used when mounting binding posts. Snaps into the two posts and holds them in alignment. The WBT-0717 also prevents the posts from rotating while tightening the nuts.

WBT-0499 Cutting Shears

\$90.00

Shears cut through fine stranded copper cable up to #5AWG with a cleaving action for a clean even cut. Gold plating protects against corrosion. With a little practice, also good for stripping speaker cable.



TOOLS CONTINUED

ILLUSTRATIONS NOT TO SCALE



WBT-0403 Crimping Pliers

Retail

\$90.00

Crimping pliers with special multiple spike jaw. The only tool designed to correctly crimp WBT™ crimp sleeves. Gold plating protects against corrosion. Comfortable, plastic-coated grip.



WBT-0411 Crimp KIT

\$230.00

Includes one WBT-0403 crimping pliers and an assortment of copper crimp sleeves in a convenient carrying case. Silver sleeves sold separately. Copper sleeves included with the WBT-0411 are as follows:

20 pcs WBT-0430	20 AWG (uninsulated)	20 pcs WBT-0442	14-13 AWG
20 pcs WBT-0431	18-19 AWG (uninsulated)	20 pcs WBT-0443	11-12 AWG
20 pcs WBT-0432	17 AWG (uninsulated)	20 pcs WBT-0444	9-10 AWG
20 pcs WBT-0433	15-16 AWG (uninsulated)	10 pcs WBT-0445	7-8 AWG



WBT-0488 Torx™ Key

\$6.00

T-6 size fits all WBT™ set screws. For temporary use only.



WBT-0481 Torque Screwdriver

\$160.00

The WBT-0481 is a precision torque screwdriver with an elegant design. Torque is set to 5 dNm for precise tightening of all WBT parts utilizing the Torx™ T-6 size. 4mm² hole in the end for the attachment of a ground lead, if a static electricity ground is needed. Includes one T-6 Torx™ bit.



WBT-0490 Torque Screwdriver Set

\$260.00

This kit includes one WBT-0481 Dyna-key along with the WBT-0484 bit assortment in a jewel case for keeping it all together. Additional bits are available separately. (see below)

WBT™ BITS FOR TORQUE SCREW DRIVER



WBT-0485 SLOT BITS —	WBT-0485 PHILLIPS BITS +	WBT-0485 TORX™ BITS ★	WBT-0485 HEX BITS ●
Available Sizes 1.5mm 2.0mm 2.5mm 3.0mm 3.5mm* 4.0mm*	Available Sizes 000 00 0 1	Available Sizes T6 T7 T8 T10 T15* T20*	Available Sizes 1.3mm — 0.050" 1.5mm — 0.059" 1.59mm — 1/16" 2.0mm — 5/64" 2.38mm — 3/32" 2.5mm — 0.098" 3.0mm* — 0.118" 4.0mm* — 0.157"
*Not included in the WBT-0484 Bit-Set. Special Order Only.			

WBT-0484 Bit-Set

Bit Set (18 types).

\$120.00

WBT-0485/XXX

Choice of any one bit from the above list.

\$9.50

**WBT SOLDER****ILLUSTRATIONS NOT TO SCALE****WBT™ 4% SILVER SOLDER (Lead based)**

All WBT™ Solder is the highest quality solder with 4% fine silver content. The halogen-free flux is gentle on precious metal surfaces. The melting temperature is extremely low at 180°C / 356°F.

**WBT-0800 Silver Solder 4% Ag**

Retail

\$16.00

0.9mm diameter

42grams / 0.123 lbs.

10m / 32.8 ft

**WBT-0820 Silver Solder 4% Ag**

\$49.00

0.8mm diameter

250grams / 0.575 lbs.

73m / 239 ft

**WBT-0840 Silver Solder 4% Ag**

\$89.00

1.2mm diameter

500grams / 1.140 lbs.

57m / 187 ft

WBT™ LEAD Free 4% SILVER SOLDER - RoHS COMPLIANT (Tin based)

WBT™ Lead free solder is the highest quality solder with 4% fine silver content. The halogen-free flux is gentle on precious metal surfaces. The melting temperature is easily accomplished at 219°C / 426°F.

**WBT-0805 Silver Solder 4% Ag**

Retail

\$25.00

0.9mm diameter

42grams / 0.123 lbs.

10m / 32.8 ft

**WBT-0825 Silver Solder 4% Ag**

\$74.00

0.8mm diameter

250grams / 0.575 lbs.

73m / 239 ft

**WBT-0845 Silver Solder 4% Ag**

\$143.00

1.2mm diameter

500grams / 1.140 lbs.

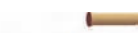
57m / 187 ft



CRIMP SLEEVES - RoHS COMPLIANT

ILLUSTRATIONS ARE TO SCALE

WBT™ cable end sleeves are made of special oxygen free copper or pure fine silver. Available in all standard sizes from 0.5mm² - 16mm², also with transparent insulation collar from 1.5mm² - 16mm². Insulated sleeves provide additional cable strain relief. Available in bulk bags, assortments or single pieces. Copper sleeves are 24k gold plated and silver sleeves are platinum plated.

WBT™ Crimp Sleeves				Per Each Sleeve
	mm ²	AWG		Retail
 WBT-0430	0.5	#20		\$0.60
 WBT-0431	0.75	#19		\$0.60
 WBT-0432	1.0	#17		\$0.60
 WBT-0433	1.5	#16		\$0.60
 WBT-0434	2.5	#14		\$1.00
 WBT-0435	4.0	#12		\$1.00
 WBT-0436	6.0	#10		\$1.00
 WBT-0437	10.0	#8		\$1.50
 WBT-0438	16.0	#6		\$2.00

WBT™ Crimp Sleeves with Insulated Collar

 WBT-0441	1.5	#16		\$1.50
 WBT-0442	2.5	#14		\$1.50
 WBT-0443	4.0	#12		\$2.00
 WBT-0444	6.0	#10		\$2.00
 WBT-0445	10.0	#8		\$2.50
 WBT-0446	16.0	#6		\$3.00

WBT™ Silver Crimp Sleeves with Insulated Collar

 WBT-0450	1.5	#16		\$5.00
 WBT-0451	2.5	#14		\$6.00
 WBT-0452	4.0	#12		\$7.50
 WBT-0453	6.0	#10		\$8.50



Assortments are packaged in plastic dispensers as shown.

WBT-0470 Crimp Sleeve Assortment

1 bag each of WBT-0430, 31, 32, 33, 34, 41 & 42

\$245.00

WBT-0471 Crimp Sleeve Assortment

1 bag each of WBT-0435, 36, 37 & 38

\$229.00

WBT-0472 Crimp Sleeve Assortment

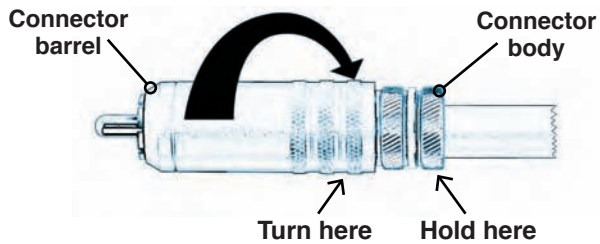
1 bag each of WBT-0443, 44, 45 & 46

\$123.00

RCA TYPE CONNECTOR TIGHTENING INSTRUCTIONS

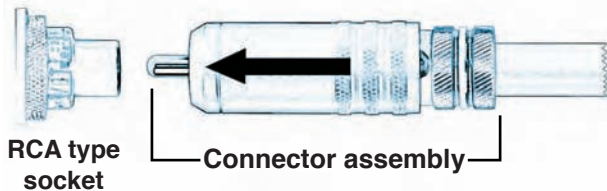
Step 1

Loosen barrel of the male connector.



Step 2

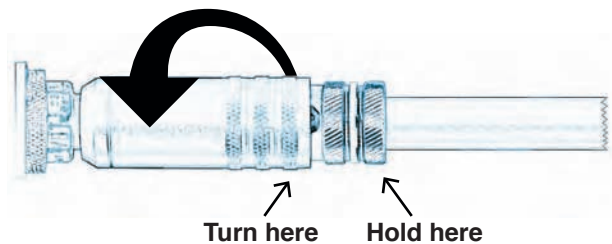
Insert the connector into the socket.



Step 3

Hold the connector body and tighten the barrel.

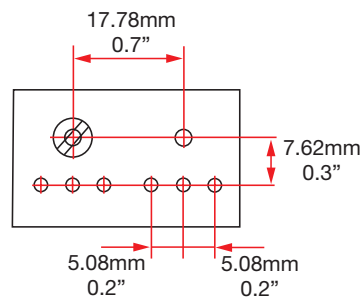
WARNING: To prevent damage to cable and/or socket, turn barrel only, do not allow connector body to turn!
Do not over tighten!



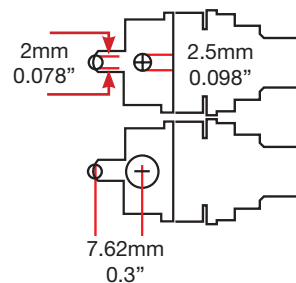
REMEMBER TO REVERSE ABOVE STEPS WHEN REMOVING THE CONNECTORS.
Failure to properly unlock the connector may result in equipment damage!

RCA Socket Mounting Dimensions

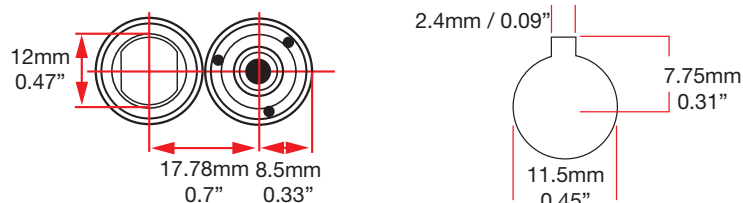
WBT-0234



WBT-0274



All WBT RCA Type Sockets require the following mounting hole dimensions



WBT-0645 Install Instructions

Tightening knob



NOTICE:

Expanded pin
when tightened

Remember to reverse above steps
when removing the connector. Failure
to properly unlock the connector may
result in equipment, cable, or connector
damage!

Step 1



Loosen tightening
knob. Insert into the
connector.

Step 2



Tighten the knob by
turning clockwise.

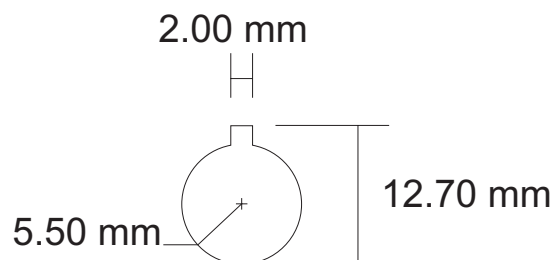
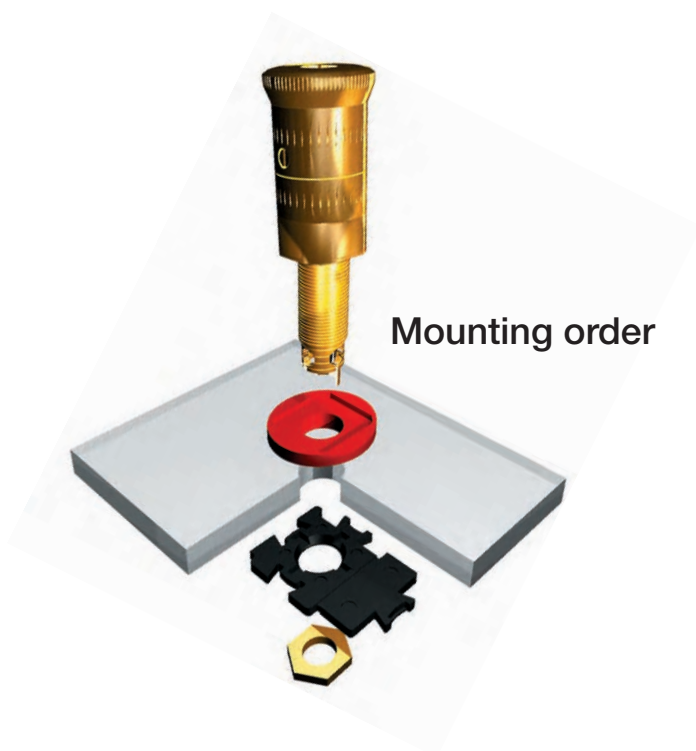
Step 3



After tightened, the
connector should look
like this.

WARNING! Do not fully tighten knob unless inserted into banana hole.

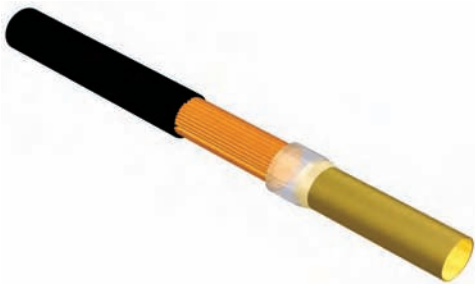
Binding Post Assembly



Binding post hole cutout dimensions for
insulation washer (measurements in mm)

**CRIMPING TECHNIQUE****ILLUSTRATIONS NOT TO SCALE**

WBT's crimping technique has been designed to ensure a high quality and durable crimp. For the procedure itself, one must strip the desired cable and insert it into the proper size crimp sleeve. Then, carefully place the wire and sleeve into the proper slot on the crimper and apply a powerful squeeze. WBT's unique crimp tool design creates a crescent shaped crimp which forces the wire to flow together, thus creating the illusion of a single strand of wire. Trim the sleeve, including the wire, to the desired length to fit the application. When using one of WBT's solderless connectors, simply loosen the set screw on the connector then insert the crimped end of the cable into the connector, tighten using the Torx™ bit.



Wire is stripped and the appropriate size crimp sleeve is slid onto the strands.



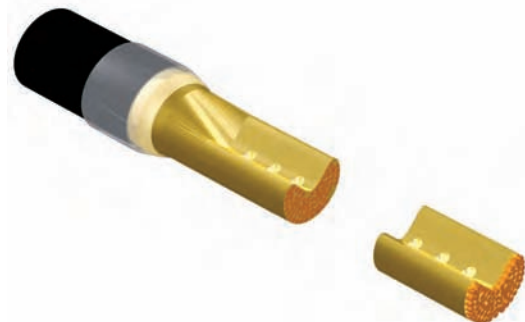
Sleeve is then crimped onto wire with crimping pliers.



The result should look like this.



Use WBT-0499 cutters to trim crimped wire end to fit in WBT™ crimp technique connector.



Crimped cable end ready for use in WBT™ crimp technique connectors.



BC662 6-way Speaker Selector with volume controls \$252 each.
2 Source Inputs (A & B), selectable per channel
Power Handling 75 watts RMS
Use with 4 or 8 ohm systems
Impedance correction
Transformer type volume controls
Shown with cover off.



FoculPods Isolation Feet \$20.00 for a set of 4.
Great for isolating vibrations from equipment or speakers.



Flared Ports 3" & 4" ID
Flared on both ends. 17" long max length. Cut center to fit.
3FLARE \$12.00 each
Flange diameter 6 1/4"
4FLARE \$14.00 each
Flange diameter 7 1/4"



PEGLOCK Grill Fastener \$0.25 each for a peg and socket.
Use 3/8" drill for peg & socket.
Nylon, very strong material.



HEDLOCK Grill Fastener \$0.25 each for a ball and socket.
Use 37/64" or 14.5mm for Socket.
Use 7/16" or 11mm for Ball.



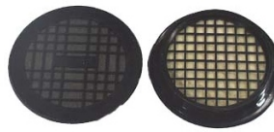
VC126i Volume Control \$34.00
Impedance matching, use with 4 or 8 ohm speakers. 43 watt RMS, 126 watt average. 10 steps



YAPLUG Angle Banana \$4.50 ea
Gold plated brass, set screw for wire and pressure fit for jacket. Threaded pin expands banana for tight fit.



2" ID Flared Port
Flared on both ends. Use either end as outer flare. 11" long max length, 5.25" flange
2FLARE \$8.80 each



SSV Scan speak vent \$6.00 each
Scan-speak aperiodic vents are used in sealed boxes to reduce the system Q of the box. SSV's allow you to reduce your box size by about 25%. Use one up to 1 cf and 2 or more for larger boxes. 4.3" cut-out diameter



T-Nut & Blk Allen Head Screws
6-32 x 1" \$0.30 each
8-32 x 1" \$0.35 each
10-24 x 1-1/2" \$0.35 each
1/4-20 x 1-3/4" \$0.40 each



YSC Cone Tiptoe \$1.45 each
Chrome plated metallic gray color, including t-nut. 5/8" tall with metric M6 shaft (not 1/4-20)



YSC1/4-20 Chrome Tiptoe \$1.45 each
YSCG Gold Plate Tiptoe \$1.50 each
Black Chrome or Gold plated, including foot. 5/8" tall with 1/4-20 shaft & insert.



YLC Cone Tiptoe \$2.00 each
Chrome plated metallic gray color, including t-nut. 1-3/8" tall with metric M6 shaft (not 1/4-20)



YLC1/4-20 Chrome Tiptoe \$2.00 each.
YLCG Gold Plate Tiptoe \$2.10 each.
Chrome or Gold plated. 1-3/8" tall with 1/4-20 shaft and threaded insert.



YT Set of 4 Tiptoe \$2.60 set
1/4" tiptoe x 1-3/4" long with threaded inserts and lock nuts. Use pointed or flat end.



YBT Set of 4 Tiptoe \$5.20 set
3/8"-20 tiptoe x 2 1/8" long with threaded inserts and lock nuts. Use pointed or flat end.



YRCA4 RCA Plug \$2.95 each
Blue or Red stripe. Gold plated, Crimp or solder. Accepts up to 6mm cable jacket. 4cm long



RCA5 RCA Plug \$5.70 each
Red or White stripe. Gold plated, Crimp or Solder. Accepts up to 8mm cable jacket. 5cm lon

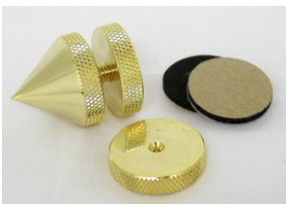


YBSC Chrome Tiptoe \$5.65 each
YBSCG Gold Tiptoe \$5.85 each
1.5" Tall



YBLC Chrome Tiptoe \$6.10 each
YBLCG Gold Tiptoe \$6.35 each
2.15" Tall

Great for heavy speakers, Black Chrome plated brass, 1.25" diameter at base. Tiptoe, 1/4-20 threaded stud, threaded insert, foot pad. Perfect for large speakers or subwoofers. Could be used without tip.



YSCGA Gold Plated Height Adjustable TipToe \$5.40 Each.
1" (25mm) diameter, 1.1" to 1.38" height. Gold plated foot. Pad for foot & double stick tape to mount.



YRFB Rubber Foot \$0.80 each
1.45" OD (37mm)
0.78" Tall (20mm)
1/4" hole (6mm)



Felt Diffraction Ring for tweeters, 1/8" thick; \$2.00 each.
4.37" (111mm) OD
1.62" (41mm) ID



LP15 15W 8Ω L-pad \$4.40 ea - 3/4" shaft length, 1.6" Ø body
LP100 100W 8Ω L-pad \$10.85 ea 3/4" shaft length, 2.45" Ø body



LP50 50Watt 8Ω L-pad \$8.50 each
3/4" long shaft, 2" square body, Attenuation 0 to 40dB. Cast aluminum top plate. Terminal one is ground to speaker and crossover. Terminal 2 to speaker plus. Terminal 3 to crossover T or M plus.



YG-Spade Red or Black \$2.75 each All brass gold plated. Will accept wire with a jacket diameter up to 6mm. Spade opening stepped at 3mm, 5mm & 6mm. Spade blade thickness 2.1mm



New Hex Socket Screws

- » Black Ox & Wax finish
- » RoHS compliant
- » Very strong finish and good looking!
- » Also have several pan head screws with this finish listed in the table above.
- » Made in USA

#6 x 3/4" socket head screw \$0.20 each
#8 x 1" socket head screw \$0.24 each
#10 x 1-1/8" socket head screw \$0.28 each

Assorted Speaker Needs	
Grill Cloth, Black and Brown, 66" wide x #yards	7.00 /yd
Polyester fiberfill 16oz bag	4.50
Acoustic Foam Sheets (27" x 42" x 5/8")	8.40
Virgin Audio Wool per pound	11.50
Acousta-stuf per pound	9.75
Screws.... Black Ox & Wax #10 x 1" Pan head, RoHS	0.08
Screws.... Black Ox & Wax #8 x 1" Pan head, RoHS	0.08
Screws....Black Ox & Wax #6 x 1/2" Pan head, RoHS	0.06
Screws.... Black Ox & Wax #6 x 3/4" Oval head RoHS	0.06
1/8" Black Felt, adhesive backed by the foot, 32" wide	15.00 / ft
Gasket Material:1/2" x 1/8" Foam adhesive tape	0.15/foot
Quick Connects; 0.11", 0.187", 0.25" Red & Black	0.29 each



CB-CUP Input Cup \$1.85 each
Chrome plated posts with plastic knobs and threaded inserts. Accepts banana plugs or 8 Awg. Wire. The cup is 3.15" square with a round 2.7" cut-out hole size.



GB-CUP Input Cup \$2.35 each
Gold plated posts with plastic knobs and threaded inserts. Accepts banana plugs or 8 Awg. wire. The cup is 3.15" square with a round 2.7" cut-out hole size.



DB-CUP Input Cup \$3.95 each
All brass gold plated posts with knurled caps. Accepts banana plugs or 4 Awg wire. The cup is 3.15" square with a round 2.7" cut-out hole size.



D-CUP Input Cup \$3.95 each
All brass gold plated posts with knurled caps. Accepts banana plugs or 4 Awg wire. The cup is 4.14" round with a 3" round hole size.



R-CUP Input Cup \$4.25 each
All brass gold plated posts with hexagonal caps. Accepts banana plugs or 4 Awg wire. The cup is 4.14" round with a 3" round hole size.



G25-CUP Input Cup \$10.60 each
All brass gold plated (25mm Ø) posts with ribbed caps. Accepts banana plugs or 2 Awg wire. The plate is 4.73" long by 1.97" wide. Cut-out, buy it first and decide.



TD-CUP Input Cup \$9.20 each
All brass gold plated posts with ribbed caps and straps for bi-wire applications. Accepts banana plugs or 4 Awg wire. The cup is 4.73" tall by 3.66" wide. Cut-out 3.7" x 2.9".



N-POST Terminal \$0.90 each
Chrome plated posts with metal inserted plastic knobs. Accepts 7 Awg wire. 1/2" long shaft. Red or Black.



G-POST Terminal \$1.60 each
All brass gold plated with knurled head. Accepts bananas or 4 Awg wire. Shaft length 1/2". Specify Red or Black.



G-POSTL Terminal \$1.70 each
All brass gold plated with knurled head. Accepts bananas or 4 Awg wire. Shaft length 1". Specify Red or Black.



HG-POST Terminal \$1.90 each
All brass gold plated with Hex head. Accepts bananas or 4 Awg wire. Shaft length 1". Specify Red or Black.



BG-POST Terminal \$2.10 each
All brass gold plated with ribbed head. Accepts bananas, spades or 4 Awg wire. Shaft length 1". Specify Red or Black.



YG-POST Terminal \$2.55 each
All brass gold plated with knurled head. Accepts bananas, spades or 4 Awg wire. Shaft length 1.65". Specify Red or Black.



SG-POST Safety Terminal \$1.90
Gold plated posts with clear plastic protection. Meets CE regulation. Available in Red or Black. 30mm long shaft. 5mm cable entry hole



EG-SPLUG Banana \$2.45 each.
All brass gold plated single banana plug. Accepts 6 Awg wire (5mm Ø). Has two set screws. Specify Red or Black.



EG-PLUG Banana \$6.50 each.
All brass gold plated dual banana plug with a standard 3/4" spacing. Accepts 6 awg wire. Wire is fastened by screw down head.



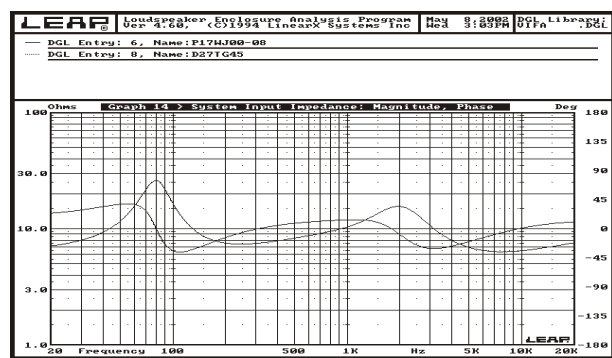
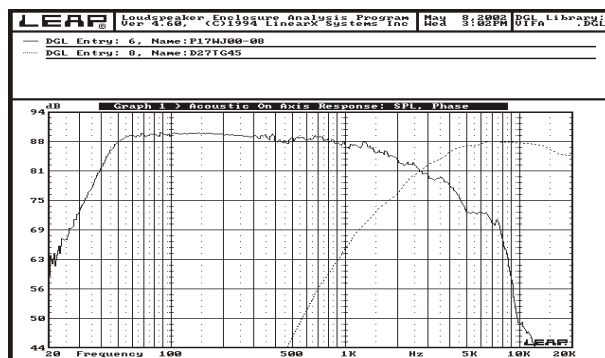
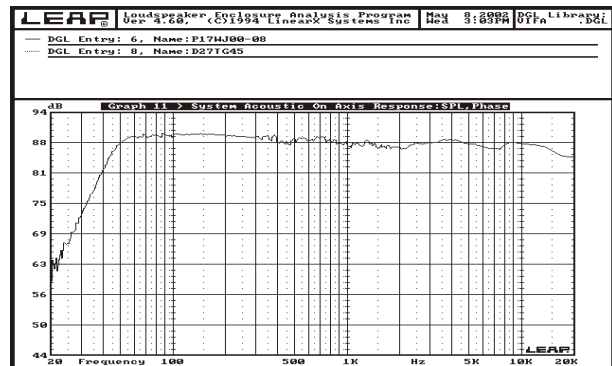
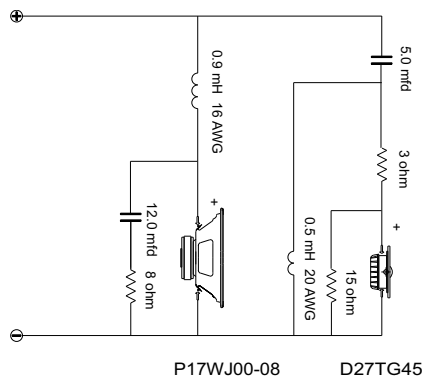
Computer Aided Crossover Design

Crossover design has significantly evolved in the last decade. In the past you had to start with a theoretical design and then spend weeks tweaking until you came up with a crossover that sounded pretty good, but probably was not as good as it could be. Madisound has now developed the art of crossover design, providing the customer with a fully developed filter system in a fraction of the time necessary using older methods.

Madisound begins by taking all driver response and impedance measurements in our anechoic chamber using the Audio Precision measurement system. We then export this data into the Leap filter analysis program by Linearx. With the Leap program we can plot what would be an ideal curve for each driver, and then use Leap to try different filter values against the actual driver response curves, continually selecting those parts that bring the actual curve to that of the ideal curve. We then look at the total system response curve and select parts to match the ideal system response. The result is a flat response curve, to the limits of the selected driver responses. This method can be repeated for impedance correction to create an ideal impedance magnitude response. The finished design is excellent, and a good value!

We are designing with Leap version 4.6.

The following curves are provided with each Leap design order:



To place an order for a Leap design, Madisound we need to know the following:

- › What drivers are you using? They must be Madisound stock items. (In the case of 3 or 4 way systems, we could just use the woofers technical parameters.)
- › What are your box volumes, or do you wish us to determine them for you?
- › Are the drivers surface mounted, or routed into the cabinet for a flush mount? (Flush recommended)
- › What slopes (6dB, 12dB, 18dB, 24dB) would you like us to design for, or would you prefer we choose?
- › Do you prefer a flat response, tapered response or relaxed midrange response?
- › What quality of inductors will you use? We will model using the DCR of the coils.

Leap Design Pricing (Design only, not an assembled crossover)

2-Way Design	\$30.00	Sub /Sat Design	\$35.00	Special requests or projects?
3-Way Design	\$40.00	MTM 2-Way	\$30.00	Ask about pricing.
4-Way Design	\$60.00			

PHY-HP (Haut parleurs)®

All our cables are manufactured with the same principle which for the first time respects the works conclusion of Dr. Pierre Johannet, Head of research at the EDF (French National Electricity Cie) about the interface micro discharges = MDI and coming also from two years development at PHY-HP. Those works ex-

plain a lot of things, most of which for many years audiophile people have found by listening, and even more, but shows also why all natural materials perform much better , in audio also than any “ modern ”, “ technic ” synthetic one .

For example they show how multi wire cables produce so much MDI = oblige mono wire cable how all synthetic material make the same MDI , cotton and lin so few and also have no memory effect how copper when new and clean, performs very close to silver (MDI and listening), but increase in a dramatic way in producing MDI and become awful listening after some days as his surface comes oxide and copper oxide is semi-conductor, in opposition silver oxidized conductivity is as good as silver ; this means that it is not necessary to make it massive silver but silvered cooper as it is much cheaper.

And more... These techniques gives extremely natural results, transparency with fullness, sweetness with high definition , with a much larger objective and subjective frequency response (see for instance how high level industry HF is made), and which transmit an astonishing quantity of information. As on , sound , musicality and emotion carried by our cables with very few added perturbations allow a rare level of pleasure.



PHY 1.2 Meter Interconnect Pair with Silver Plated Copper RCA \$480

PHY 1.2 Meter Shielded Interconnect Pair with Silver Plated Copper RCA \$510

3 conductors $\varnothing$ 0,6 mm mono wire cable , silver plated pure recooked copper, insulated by hydrophobic natural cotton, with or without silvered shielding.

Review: http://www.6moons.com/audioreviews/phy/cotton_2.html



PHY Speaker Cable Pairs without Termination

3 Meter Pair \$610 - 4 Meter Pair \$695 - 5 Meter Pair \$760 - 6 Meter Pair \$910

For Terminated Cable Pair Add: \$460.00 to prices above.

3 conductors $\varnothing$ 2 = 3,1416 mm2 solid core mono wire cable , silver plated pure recooked copper, insulated by hydrophobic natural cotton.

Terminated cables have PHY banana plugs are made from 40 micron silver plated pure copper.



PHY Speaker Binding Post Each \$39.00

The PHY binding post will accept cable entry or a banana plug. *Specify Red or Black.*
40 micron silver plated pure copper.

PHY Banana Plug Each \$57.00

The PHY banana plug is made from 40 micron silver plated pure copper.



PHY RCA Plugs Each \$50.00

40 micron silver plated pure copper

PHY RCA Sockets Each \$43.00

Specify Red or White.

40 micron silver plated pure copper



PHY Mains Power Cable with US Standard and IEC Plugs

1 Meter Length \$350

2 Meter Length \$400

3 conductors each of $\varnothing$ 1,8 = 2,5 mm2 made of 50 wires flexible cable, silver plated pure recooked copper, insulated by hydrophobic natural cotton

SUPRA[®] Cables

MADE IN SWEDEN

Supra has been manufacturing cables, in-house from their facilities in Sweden, since 1976. Prior to 1976, cables had no identity, they were just "cables". In 1976 Supra introduced the "Supra 2.5", beginning a new trend in branded cables.

Supra has since greatly expanded their lines, creating new cables for each new trend in the audio industry. We invite you to visit the **Supra** web site for more information, or download the Supra catalog from our web site: www.jenving.se in Sweden.

Item	Description	Price
Rondo 4x2.5	by the foot (4x13AWG)	\$3.35
PLY2.0	by the foot (14AWG)	\$2.75
PLY3.4	by the foot (12 AWG)	\$3.65
PLY3.4/S	by the foot (12AWG) Shielded	\$4.55

HDMI to HDMI Cables

HDMI 1M	1 Meter Single (3.3')	\$75.00
HDMI 2M	2 Meter Single (6.5')	\$85.00
HDMI 4M	4 Meter Single (13.1')	\$105.00
HDMI 8M	8 Meter Single (26.2')	\$145.00
HDMI 12M	12 Meter Single (39.3')	\$185.00
HDMI 15M	15 Meter Single (49.2')	\$215.00

Supra Connectors

Banana	2 pairs	\$38.00
Fork XL	2 pairs	\$24.00
Boxcon	1 pair insulated binding post	\$60.00
CombiCon Kit	2 pairs body, 4 spades/bananas	\$80.00

The **Lorad power cables** are very popular, providing a shielded connection to the wall outlet. The MD06-US power strip is also shielded and has no stray fields.

The **Supra Classic** and **Rondo cables** are used for both internal and external wiring. The shielded version is more often used for external wiring, reducing the effects of stray field noise.

Sword cables are made with bifilar litz winding, where an inner set of helically wound wire is run in one direction and an outer set in another direction. This divides the fields in opposing directions, cancelling the magnet field. Sword behaves as a non-inductive and phase stable cable. Sword cables come with interchangeable CombiCon connectors, providing both spade and banana termination.

Supra EFF is one of our best analogue interconnects. Multi test winner and our most sold interconnect. EFF comes terminated with the PPSL RCA plug or XLR plug.

Trico is a 75 Ohm double screened coaxial interconnect cable for digital/ video signals.

Tin vs Silver, Supra cables are plated with a high purity Tin instead of Silver. Tin is of a higher resistance than Silver, so the signal travels through the copper and not on the plating. Tin also has a minimized dielectric effect by acting as a semi-Litz.

Item	Description	Price
Supra Lorad Screened Power Cables: Ice Blue		
LORAD/FT	Lorad cable by the foot	\$4.55
MD06-US	Power Strip - no cord	\$180.00

Sword Bifilar Litz Speaker Cable with Combicon Termination by Gas Tight Crimping (cold welded)

Sword 2M	2m Pair with Combicon	\$840.00
Sword 3M	3m Pair with Combicon	\$1,125.00
Sword 4M	4m Pair with Combicon	\$1,410.00

Sword Analog Interconnects with Bifilar Wound Litz Wire and Special Anniversary RCA Terminals

Sword-ISL 1M	1m Pair with RCA	\$685.00
Sword-IXLR 1M	1m Pair with XLR	\$740.00

EFF Analog 75 Ohm Interconnects with PPSL RCA

EFF-ISL 1M	1m Pair with RCA	\$160.00
EFF-ISL 2M	1m Pair with RCA	\$200.00
EFF-IXLR 1M	1m Pair with XLR	\$155.00
EFF-IXLR 2M	2m Pair with XLR	\$195.00

Trico Digital 75 Ohm RCA Video Interconnects

Trico-RCA 1M	1m Each with RCA (3.3')	\$80.00
Trico-RCA 2M	2m Each with RCA (6.6')	\$95.00
Trico-RCA 4M	4m Each with RCA (13.3')	\$125.00
Trico-RCA 6M	6m Each with RCA (20')	\$150.00
Trico-RCA 8M	8m Each with RCA (26.6')	\$180.00
Trico-RCA 15M	15m Each with RCA (49.8')	\$280.00

Speaker Cable by the foot

Classic 1.6	by the foot (15AWG)	\$0.80
Classic 2.5	by the foot (13AWG)	\$1.45
Classic 4.0	by the foot (11AWG)	\$2.15
Rondo 2x2.5	by the foot (2x13AWG)	\$2.15

GOERTZ SPEAKER CABLES

- **GOERTZ HT 14AWG COPPER**

Easy to install under carpeting and behind baseboards.

On the spot termination: Termination may be performed using the Goertz Rhodium plated connectors or the G-HT may be notched to form integral spades which will fit into the screw terminals. In both cases no soldering is required. The notching pliers are available to buy in "Accessories."

- **GOERTZ MI 1 13AWG COPPER (AG 1 SILVER 12AWG)**

The original Goertz cable, MI 1 in 13 gauge (AWG) solid Oxygen Free Copper (OFC) or 12 gauge AG 1 in solid High Purity Silver. The heavy, high purity Oxygen Free Copper (OFC) or solid high purity silver ribbons are sandwiched together, separated only by micro-thin layers of film insulation. The minute amount of active dielectric also provides rapid break-in; now audiophiles don't have to wait tens of hours to break in their cables, Goertz cables produce immediate results!

- **GOERTZ MI 2 10AWG COPPER (AG 2 SILVER 9AWG)**

MI 2 Heavy 10 gauge OFC copper or 9 gauge AG 2 solid silver cabling for improved bass and power handling over the remarkable Goertz MI 1. Great reviews confirm that this remarkable cable really delivers; superb bass control, vivid mid-range, and excellent high frequency extension combine with rejection of interference and no break-in period. Simply great value.

- **GOERTZ MI 3 7AWG COPPER (AG 3 SILVER 7AWG)**

Alpha-Core's "Big Boy" 7 gauge speaker cable; the answer for powerful audiophile systems. MI 3 was designed for high power amplifiers driving full range speakers. Perhaps the best speaker cable made today, the MI 3 delivers sublime clarity, dynamics, and definition throughout the audio spectrum. The extreme low DC resistance ensures diaphragm control for tight, powerful bass and mid-range, and the low inductance carries distortion free high frequencies and crucial harmonics for outstanding imaging and depth perception.

- **PYTHON MI 2**, the first Serpent, is electrically and sonically equivalent with the popular **GOERTZ MI2**. It contains four film insulated flat, solid OFC copper conductors sandwiched intimately on top of one another and then twisted and embedded in a cylindrical, solid jacket of high grade polymer. The resin is cast in place to totally support and protect the flat conductor bundle, meaning that **Python** can take any amount of punishment and still sound and look like new.

- **BOA** cables are larger gauge versions of the Serpent cables.

HT, MI, & AG SPEAKER CABLE PAIR

MODEL	SINGLE per foot	BI-WIRE per foot
COPPER CABLE "CU"		
HT 'Home Theater' (14AWG)	\$8.39	\$16.77
MI1 'Center Stage' (13AWG)	\$12.40	\$24.80
MI2 'Veracity' (10AWG)	\$21.50	\$43.00
MI3 'Divinity' (7AWG)	\$53.00	\$106.00
SILVER CABLE "AG"		
AG1 'Center Stage' (12AWG)	\$73.20	\$146.40
AG2 'Veracity' (9AWG)	\$128.70	\$257.40
AG3 'Divinity' (7AWG)	\$275.60	\$550.00
Add Termination Cost		
Rhodium Spades, Bananas, Pins	\$40.00	\$63.00
Silver Spades	\$58.00	\$85.00

PYTHON & BOA CABLE PAIR

MODEL	SINGLE per foot	BI-WIRE per foot
COPPER CABLE "CU"		
PYTHON MI2 (10AWG)	\$28.00	\$28.00
BOA MI3 (7AWG)	\$69.00	\$69.00
SILVER CABLE "AG"		
PYTHON AG2 (9AWG)	\$161.00	\$161.00
BOA AG3 (7AWG)	\$344.50	\$344.50
COPPER & SILVER HYBRID "CU&AG"		
PYTHON HYBRID (10AWG)	\$94.50	\$94.50
BOA HYBRID (7AWG)	\$206.75	\$206.75
Add Termination Cost		
Rhodium Spades, Bananas, Pins	\$40.00	\$63.00
Silver Spades	\$58.00	\$85.00

CABLE CONNECTORS

MODEL	PRICE
RHODIUM SPADES (4)	\$24.00
RHODIUM BANANAS (4)	\$24.00
RHODIUM PINS (4)	\$24.00
SILVER SPADES KIT 1/2" x 5/16" (4)	\$40.00
SILVER SPADES KIT 5/16" x 5/32" (4)	\$27.00

TO CALCULATE TOTAL PRICE:

- DETERMINE PRICE FOR 1' PAIR IN SINGLE OR BI-WIRE
- MULTIPLY THE LENGTH YOU NEED WITH CORRESPONDING PRICE/FOOT PAIR
- ADD THE TERMINATION PRICE
- TOTAL PRICE=[(PRICE/FT. PAIR X LENGTH) + TERMINATION COST]

ALPHA-CORE INTERCONNECTS

- **‘TOURMALINE’ COPPER**

Two thin 18 gauge high purity Oxygen Free Copper (OFC) conductors are sandwiched together, separated only by micro-thin layers of film insulation. The minute amount of active dielectric also provides virtually no break-in!

- **‘MICRO PURL’, COPPER AND SILVER**

The revolutionary Micro Purl is cutting-edge transmission line technology. It contains two 50 microns thick by 2mm wide signal carriers made of solid fine silver or OFC Copper, placed on each side of a copper ground plane. The ultra thin three layer sandwich is then twisted (purl) as it is embedded in a heavy sheath of transparent high grade polymer. The twisting facilitates handling and further enhances EM and RF rejection. Micro Purl is breaking new ground as professional quality microphone and patch cables, and as digital interconnects. AWG 26.

- **TQ 2 ‘TRIODE QUARTZ’ SOLID FINE SILVER**

The new TQ 2 is made in similar fashion as Micro Purl, by twisting the bundle of solid fine silver conductors and copper ground plane in line with the extrusion of a tough, crystal clear jacket of high grade polymer. The result may be coiled and handled like any other cable and will take considerable punishment without equivalent to AWG 22, and the overall diameter is .32" versus .25" for Micro Purl. The electrical parameters and sonic characteristics are the same as those of TQ 1 except for the fact that the in-line twist has further improved the EMI and RF noise rejection inherent in the low inductance geometry.

- **‘SAPPHIRE’ SILVER**

Two thin 18 gauge 99.99% pure solid fine silver conductors are sandwiched together in the unique Goertz configuration. Impervious to extraneous line frequency and RF fields, with the great ultra clean sound of solid fine silver.

INTERCONNECT CABLE PAIR

MODEL	0.5M	1M	1.5M	2M	2.5M	3M	4M	5M
COPPER INTERCONNECTS “CU”								
TOURMALINE RCA	\$92.00	\$137.00	\$175.00	\$216.00	\$258.00	\$299.00	\$352.00	\$410.00
TOURMALINE XLR	\$131.00	\$180.00	\$224.00	\$270.00	\$316.00	\$363.00	\$424.00	\$492.00
MICRO PURL CU-RCA	\$52.00	\$78.00	\$93.00	\$121.00	\$149.00	\$166.00	\$196.00	\$257.00
MICRO PURL CU-XLR	\$74.00	\$103.00	\$128.00	\$155.00	\$187.00	\$207.00	\$244.00	\$312.00
SILVER INTERCONNECTS “AG”								
MICRO PURL AG-RCA	\$85.00	\$127.00	\$152.00	\$197.00	\$243.00	\$270.00	\$320.00	\$419.00
MICRO PURL AG-XLR	\$121.00	\$167.00	\$208.00	\$252.00	\$305.00	\$337.00	\$398.00	\$508.00
TRIODE QUARTZ TQ2 RCA	\$125.00	\$186.00	\$238.00	\$293.00	\$350.00	\$406.00	\$478.00	\$557.00
TRIODE QUARTZ TQ2 XLR	\$178.00	\$245.00	\$304.00	\$366.00	\$428.00	\$492.00	\$576.00	\$668.00
SAPPHIRE RCA	\$193.00	\$341.00	\$487.00	\$619.00	\$652.00	\$685.00	\$914.00	\$1,145.00
SAPPHIRE XLR	\$256.00	\$435.00	\$610.00	\$769.00	\$800.00	\$864.00	\$1,118.00	\$1,340.00

INTERCONNECT TERMINATION

MODEL	PRICE
24 KARAT GOLD PLATED TIP RCA (4)	\$28.00
RHODIUM PLATED XLR (4)	\$37.00
SOLID SILVER RCA AG2K (4)	\$180.00

OTHER ACCESSORIES

MODEL	PRICE
HEAT SHRINK SLEEVES (6)	\$2.00
GOERTZ SPADE CUTTER	\$8.95
SILVER SOLDER 1 LB. SPOOL	\$42.00



Words of Wisdom for Speaker Builders

"For the inexperienced builder...the best single reference available..."

—Robert M. Bullock, III
Contributing Editor, *Speaker Builder*

SEVENTH EDITION

The Loud Speaker Design Cookbook

by Vance Dickason



Publisher's price \$39.95
Madisound Price \$35.00

Twelve Chapters (275 pages, soft bound)

- | | |
|---|---|
| 0. How Loudspeakers Work | 7. Passive and Active Crossovers |
| 1. Closed-Box Low-Frequency Systems | 8. Loudspeaker Testing |
| 2. Vented-Box Low-Frequency Systems | 9. Cad Software for Loudspeaker Design and Loudspeaker Room Interfacing |
| 3. Passive-Radiator Low-Frequency Systems | 10. Home Theater Loudspeakers |
| 4. Transmission Line Low-Frequency Systems | 11. Car Audio Loudspeakers |
| 5. Cabinet Construction: Shape and Damping | 12. Two System Designs: Home Theater and a Studio Monitor |
| 6. Loudspeaker Baffles: Driver Locations, Separation and other Considerations | |

TESTING LOUDSPEAKERS

by Joseph D'Appolito

- ♦ Seven Chapters
- ♦ 174 pages

Publisher's Price \$34.95
Madisound's Price \$30.00

Testing Loudspeakers is the first comprehensive and solidly authoritative account of just how loudspeakers may be reliably tested. Ultimately, accurate results from testing will lead to better designs. The measurement techniques contained in this book provide all clues you need to refine your speaker's components to improve its performance. The author spells out in his first chapter:

"To my knowledge, there is currently no well-organized tutorial reference on loudspeaker testing for the experienced hobbyist or technician. This book is intended to fill that gap."

Speaker Building 201

A comprehensive course in speaker design.

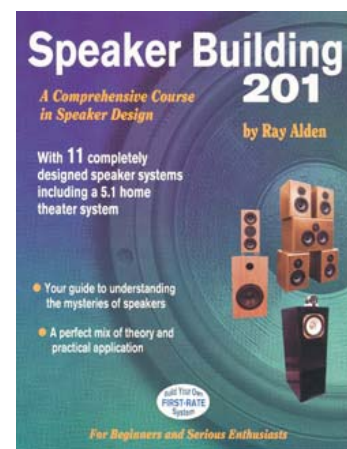
by Ray Alden

Twelve Chapters, (153 pages, soft bound)

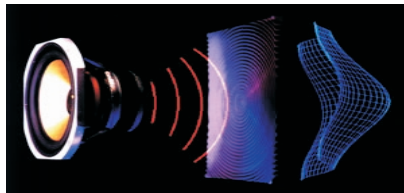
Chapters 1 through 10 provide a basic knowledge of speakers and speaker building. Starting with the basic of how a speaker works, to building the correct enclosure for your speaker and basics in speaker crossover design. There is also a chapter on speaker design software and speaker testing.

The Final two chapters have specific details on building 11 different speaker systems

This book has many photos, illustrations and graphs to aid you in understanding the speaker building process.



Madisound's Price
\$30.00



Spectra Dynamics

ACOUSTIC PANEL TECHNOLOGY

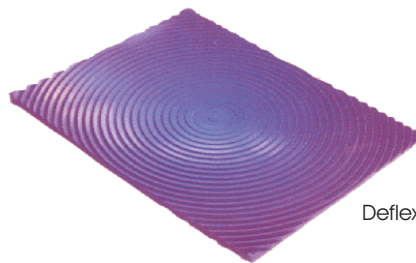
Deflex Panel and Deflex Subwoofer Panel

	<u>Standard Panel</u>	<u>Subwoofer Panel</u>
Material.....	Advanced polymer	Advanced polymer
Color.....	Charcoal grey	Charcoal grey
Surface emulation.....	Spherical concave	Spherical concave
Defined radius - nominal.	200 mm	300 mm
Focal point - nominal.....	100 mm	150 mm
Thickness at center.....	5 mm (maximum)	12 mm (maximum)
Max. edge thickness.....	12 mm	12 mm
Overall dimensions.....	280mm x 210mm	340 mm Ø Round
Density / hardness.....	1.36 / < 15° A	1.36 / < 15° A
Rebound resilience.....	< 15%	< 15%

The polymer is specially formulated to absorb shock and vibration, thus minimizing cabinet resonances.

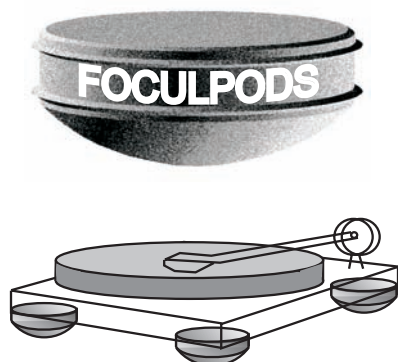
The surface emulation has been carefully designed to help eliminate standing waves.

Independent tests on MLSSA show an energy gain of over 50%.

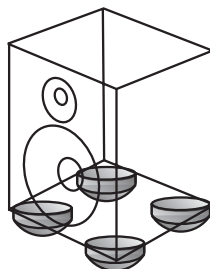


Deflex Standard Panel

Foculpod Isolation Feet



Diameter: 50 mm
Height: 20 mm



"...A marked improvement was obvious from the
"...The special surface pattern reduces standing waves to cure boxiness and resonance without killing the vitality of the sound..."

"...expect tighter cleaner bass, crisper articulation, and an increase in liveliness without loss of control..."

"...The result was sharper imaging, wider dynamics and a more natural sound..."

HI-FI Choice - January 1994

"...Deflex panels seemed to give greater tightness and control, improved internal clarity, and better pitch definition - all without deadening the sound in any way..."

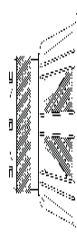
Audiophile - January 1994

**" THE ONLY CURE FOR
BOX NOISE AND
STANDING WAVES "**

CURRENT PRICE LIST

Standard Panel	@ \$ 11.00	each
Sub-woofer Panel	@ \$ 20.00	each
Foculpods	@ \$ 20.00	set of 4
Weldbond	@ \$ 2.70	4 oz. bottle

We recommend Weldbond as an adhesive to attach the Panels. Wash the panel first; let dry; smear Weldbond on panel and cabinet; when tacky, attach.



MADISOUND SPEAKER COMPONENTS

8608 UNIVERSITY GREEN

P.O. BOX 44283

MADISON, WI 53744-4283 U.S.A.

TEL: 608-831-3433 FAX: 608-831-3771

e-mail: madisound@itis.com

Web Page: <http://www.itis.com/madisound>





Altitude 3500 Integrated Valve Amplifier

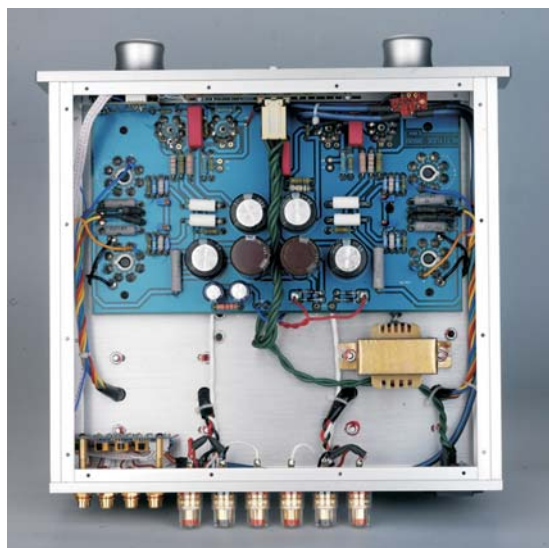
The Altitude 3500 is the culmination of many years of development and refinement. Component quality and circuit design have been carefully chosen to deliver the highest quality of musical reproduction, with accurate and emotional delivery of the sound stage.

The Altitude 3500 Integrated valve amplifier features only the best available components with the shortest and cleanest signal paths possible with direct coupling used on the input stages to improve signal transit response.

High quality electrolytic and non electrolytic capacitors have been used throughout the Altitude 3500 amplifier in critical signal areas to ensure instant energy for fast dynamic midrange and top end transients with tight very dynamic bass performance normally not found on valve amplifiers.



By using high voltages on the plates of the output valves, we are able to run them at lower currents, which will result in longer life for the output valves and less reliance on bias adjustment with age.



Specifications:

Channels	2-channel
Inputs	(4) CD/Tuner/Aux1/Aux2
Input Impedance	100k ohms
Input Sensitivity	350mV rms @ 1KHz
Output Power	32WPC@1KHz into 8ohm
Output Class	AB1 Push Pull
Output	4 or 8 ohm speaker load
T.H.D.	less than 1%
Frequency Response	15Hz- 50 KHz +- 0.5 dB
S/N Ration	89dB/A
Valves	2 x 12AT7 Twin triode 2 x 12BH7 Twin triode 4 x EL34B Pentode EL34 Output Valves are matched pairs
Chassis	heavy gauge brushed aluminum on all sides
Dimensions	350mm*190mm*320mm
Net Weight	18Kgs (39.7lbs)
Conformity	CE Rating
Price	\$1350.00



KG-5230 Sub Amp

Keiga Subwoofer Amplifiers and 2.1 Media Amplifier

- ➔KG-3100: 50W & (2x) 25W @ 4Ω
- ➔KG-5150: 200 Watts @ 4 Ω
- ➔KG-5230: 300 Watts @ 4 Ω



KG-5150 Sub Amp

The **KG-5150 and KG-5230** are plate **Subwoofer Amplifiers with Electronic Crossovers** for building powered subwoofer systems. These amps have adjustable electronic crossovers and have enough power to deliver good bass without added distortion. We are confident that we now have products that can meet the demands of both home theater or high end audio systems. Powered subwoofers are a versatile addition to your audio system. With the variable crossover and volume control, you can match a subwoofer to any existing system. These amplifiers can be used with single or multiple woofer systems (a total impedance of 4 to 8 ohms is recommended). The crossover can be turned off if you are using the amplifier with a system that already has a built in crossover. KG5230 has a 12V DC trigger.

- Class AB
- Discrete high current drivers and output devices
- Woofer volume control
- 50Hz to 100Hz continuously adjustable low pass 12dB electronic crossover
- Crossover on/off switch
- Low and High level input, summed to mono signal
- Low and High level all pass output
- Phase inverter switch
- Master power switch
- Auto power on/off activated by input signal
- 4dB boost @ 25Hz, 15Hz High pass

The **KG-3100 2.1 Amplifier** was developed for small sub/sat systems. The amp is designed to be built into the subwoofer enclosure and then out to the satellite speakers. You can use the built in **electronic crossover** to divide the frequencies between the amp and the satellites. The electronic crossover is continuously variable from **75Hz to 150Hz**. There is a master volume control and a volume control for just the subwoofer. The amplifier will accept either **RCA inputs** or **3.5mm Mini Jack inputs**. If you are using the mini jack inputs, you can purchase a separate desktop volume control for use with your computer.



KG-3100 2.1 Amp



KG-VC Volume Control

The KG-3100 is the perfect choice to build a system for your computer, MP3 player, portable CD player, office or small apartment.

- **X-over LP + HP: 75Hz - 150Hz**
- **Rear plastic cover**
- **Master & woofer volume controls**
- **Switchable bass boost 3dB@40Hz**
- **Auto on control**
- **GP Binding Posts for Sat. Outs**
- **Separate KG-VC desktop mini jack volume control for \$15.85.**

Specifications:	KG-5150	KG-5230	KG-3100
Power output Watt@ 4 ohms	200	300	50 & 2x25
THD	0.05%	0.08%	0.08%
S/N ratio @ rated power	85dB	85dB	76dB
Input sensitivity @ 100Hz - low level	75mV	75mV	80mV
Input sensitivity @ 100Hz - high level	3.5V	3.5V	3.5V
Input impedance	22k ohms	22k ohms	22k ohms
Variable Low Pass Crossover Freq.	50-100Hz	50-100Hz	75-150Hz
Weight	10.5 lbs	14.5 lbs	7.6 lbs
Dimensions W x H inches	11 ^{7/16} x 8 ^{1/4}	9 ^{7/8} x 9 ^{7/8}	7 ^{7/8} x 8 ^{11/16}
Cutout hole W x H inches	10 ^{7/16} x 7 ^{1/4}	8 ^{7/8} x 8 ^{7/8}	6 ^{7/8} x 7 ^{11/16}
AC Voltage	115	115 / 230 switchable	115 / 230 switchable
Price Each	\$169.00	\$225.00	\$142.00

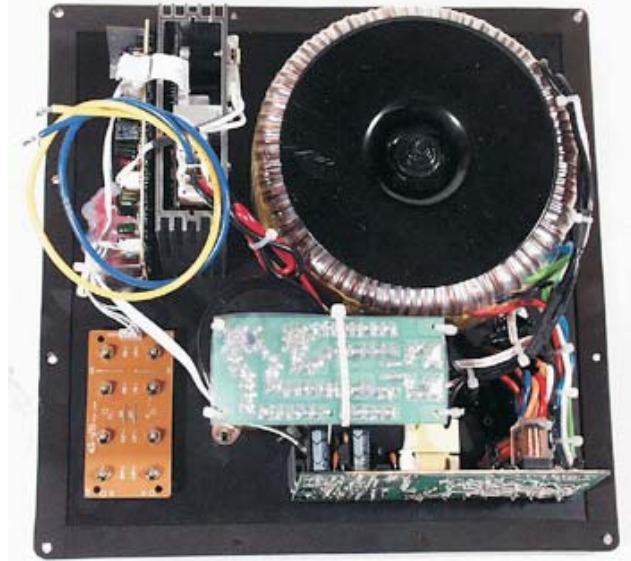


KGND5250 (500W) & KGND52100 (1000W) Class D Subwoofer Plate Amplifiers

Madisound is pleased to offer these powerful Class D amplifiers. A Class D amplifier is a switching amplifier that converts a low level analog signal into a high power pulse width modulated output. The **KGND52100 is 86% efficient and the KGND5250 is 82% efficient**; inherent in the Class D design and the **efficient power supply**. The 1950 watt peak analog power supply is a cleaner power source than switching power supplies found in most other Class D amplifiers. The Keiga Class D amps also have **very low standby power consumption of 1 watt**, which meets new European standards. Because of its efficiency, these amps produce very little heat. The Keiga Class D Amps use the **ICEPower® modules, developed by Bang @ Olufsen Powerhouse a/s**. The amps are equipped with a protective casing on the back, not shown in this picture.



KGND52100



Features:

- Very high efficiency Class D amplifier; high current Mosfet output devices.
- Low pass frequency adjustable 50~100Hz.
- Woofer level control.
- 180° Phase invert switch.
- Auto on control, switchable.
- Very low standby power.
- Thermal protection
- Master power switch.
- LFE input.
- RCA in/out (out has no crossover).
- Speaker level in/out (out has no crossover).
- IEC power socket.
- LED power indicator.
- AC 115V/230V switchable.

Specifications:

	5250	52100
• Power output @ 10% THD, 4 ohms	600W	1200W
• Power output @ 1% THD, 4 ohms	500W	1000W
• T.H.D.	0.08%	0.08%
• S/N ratio @ rated power	80dB	90dB
• Input sensitivity @ 100Hz		
(RCA) low level	150 mv	190mv
(Speaker) high level	3.5v	4.2v
• Input impedance	22k Ω	22k Ω
• Variable low pass frequency	50~100Hz	50~100Hz
• Efficiency	82%	86%
• Standby power consumption	1W	1W
• Dimensions		
Width	12"	12"
Height	12"	12"
Depth	4.5"	4.5"
• Weight	9.0kg	13.5kg
• Price Each	\$387	\$545

POWERED SUBWOOFER KITS

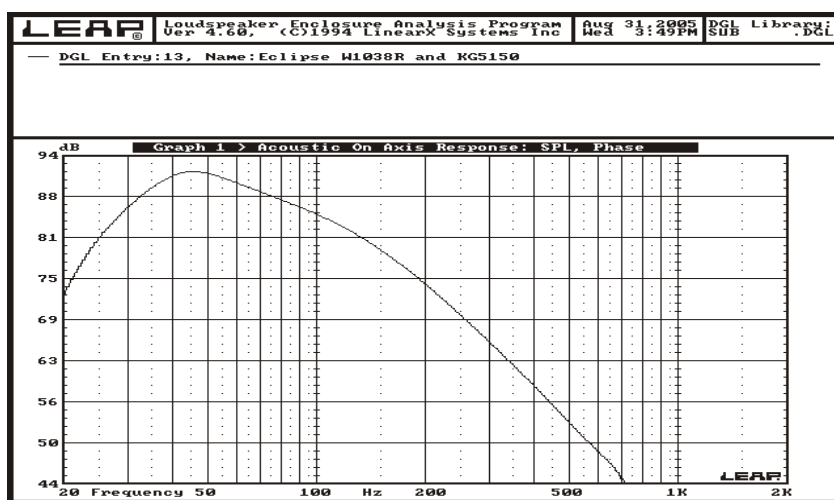
Madisound has put together several exceptional subwoofer designs to produce Do-It-Yourself Sub Kits with simple assembly and top quality components. We have chosen drivers from Eclipse and Foster to combine with the clean power of the Keiga amplifier make for an attractive and versatile designs. The cabinets are compact for easy room placement and suitable for home hi-fidelity or for home theater applications. Despite the small box size the low resonance of these subwoofers will allow for clean reproduction of movie soundtrack transients down to 25Hz. The cabinets are professionally finished with solid rounded oak corners, completely assembled, and are already cut and vented. Front baffles are 1" thick, all other sides 3/4". The cabinet comes with a black grill. Your choice of clear or black lacquered oak veneer. (Clear finish shown below). The graphs shown are simulated frequency responses. Actual frequency response will vary depending on the dimensions of the listening environment.

Eclipse Powered Subwoofer Kit

Parts Only, cabinets not available \$215.00



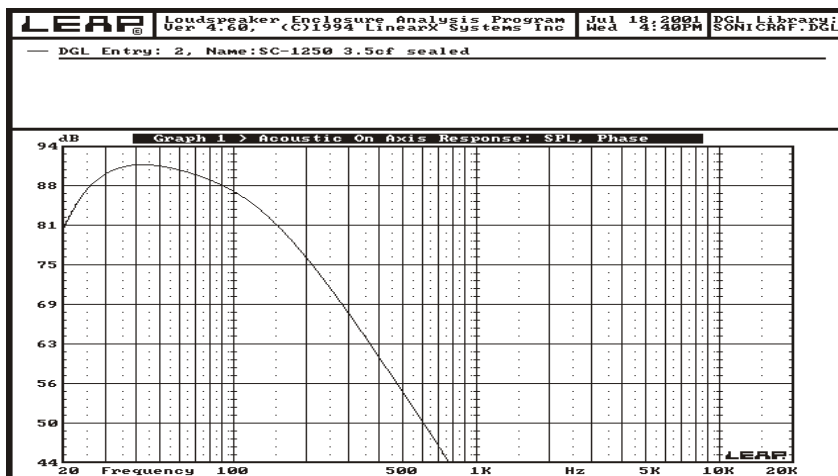
18" deep x 16" tall x 14" wide



MAD1259 Powered Subwoofer Kits



18" deep x 28.25" high x 15.5" wide



Options:

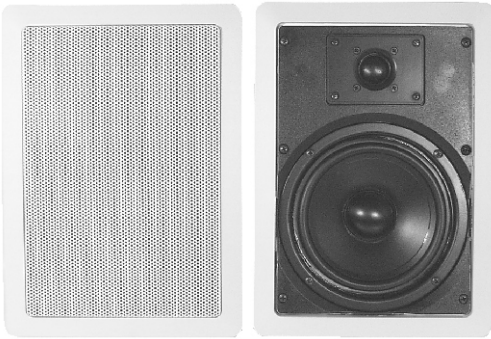
NHT1259 woofer with KG5150 amp \$502.50 (w/o cab \$307.50)

NHT1259 woofer with KG5230 amp \$552.90 (w/o cab \$357.90)

DESCANT IN-WALL & IN-CEILING SPEAKERS

Madisound is pleased to offer Descant architectural sound systems for wall and ceiling installation. We think this is an excellent approach to hi-fi sound, without the requirement of significant space for loudspeaker placement. Descant speakers are a good choice for Audio, Video or Commercial applications.

The spin out clamps allow easy installation. Using the template provided, simply cut a hole in the drywall or paneling. Attach the speaker wire to the input terminals and clamp the wall material between the grill frame and the clamps. **New Construction kits** are available for all but the square flange coaxial for **\$19.00 a pair**.



TW-625 6.5" 2-Way \$218.00 / pair

The TW-625 is a 2-way speaker using a 6.5" polypropylene cone woofer with a rubber surround. The tweeter has a 1" textile dome. The crossovers are designed with 6dB parts on the woofer and 12dB parts on the tweeter, resulting in 12dB mirrored slopes. Good choice for in wall applications.

Specifications:

Impedance:	8 ohm	Sensitivity:	90dB
Frequency:	55 to 20KHz	Color:	white
Power :	40 Watts	X-over freq.:	3KHz
Dimension: 12" tall x 8 1/2" wide x 3 1/2" deep			

RCX-619 6.5" Coaxial 2-Way \$239 / pair

RCX-825 & SCX-825 8" Coaxial 2-Way \$279 / pair

The RCX-825 (round) and SCX-825 (square) coaxial speakers are constructed with an 8" polypropylene cone woofer with rubber surround and a pivotal 1" textile dome tweeter. The crossovers are designed with 12dB parts on the woofer and 6dB parts on the tweeter, resulting in 12dB mirrored slopes.

The RCX-619 (round) has a polypropylene cone with a rubber surround and pivotal 3/4" textile dome tweeter. The crossover is 12dB/12dB.

The concentric design of a coaxial speaker makes this systems suitable for mounting in the ceiling. With the tweeter mounted in the center of the woofer, no matter where you are standing in relationship to the speaker, you will be equal distance from both the woofer and tweeter. This system performs equally as well when mounted in the wall.



Specifications RCX-825 & SCX-825:

Impedance:	8 ohm	Sensitivity:	88dB
Frequency:	45 to 20kHz	Color:	white
Power:	75 Watts	X-over freq.:	3.5kHz
Dimensions R800: 10 3/4" diameter x 3 1/2" deep			
Dimensions SQ800: 10 1/16" square x 3 1/2" deep			

Specifications RCX-619:

Impedance:	8 ohm	Sensitivity:	89dB
Frequency:	65 to 20kHz	Color:	white
Power:	50 Watts		
X-over freq.:	3.5kHz		
Dimension: 9" diameter x 2 7/8" deep			

RCX-619CH \$299.00 Pair

This is a chambered version of the RCX-619. The fire rated plastic chamber will allow this speaker to be used in many installations requiring a fire resistant chamber.



RCX-825CH \$349.00 Pair

This is a chambered version of the RCX-825. The fire rated plastic chamber will allow this speaker to be used in many installations requiring a fire resistant chamber.



DESCANT INDOOR/OUTDOOR ON-WALL **SPEAKER or SHIELDED MONITOR / AV SPEAKER**

Madisound is pleased to introduce the Descant On-wall or Shielded Monitor speaker. We developed the TR-525 in response to a need for an on-wall speaker that would be functional, yet uncompromising in sound quality. We experimented with many different loudspeakers until we discovered a weather resistant polymer coated paper cone woofer, that gave us the vocal midrange clarity we were looking for, without sacrificing bass response. The TR-525's versatility allow it to be used for numerous applications.

The weatherproof cabinet with U-shaped mounting bracket and weather resistant loudspeakers allow the TR-525 to be mounted outdoors. Consider using them by the pool, patio or any other area you use for outdoor entertaining. The TR-525 is also suitable for commercial outdoor applications, in theme parks, gardens, etc.

Since the TR-525 is magnetically shielded, you may use it next to a computer or TV screen. Consider using it for your surround sound system or add an amplifier to your computer system and use it as a monitor.



The TR-525 can be used as a monitor speaker, either standing upright or on its side. The fully shielded speaker allows for placement next to your TV or computer monitor. The cabinets are available either all black or all white.



The TR-525 comes with a mounting bracket to allow wall or ceiling mounting. The Bracket can be rotating to direct the speaker to the correct listening location. You may mount the speaker vertically or horizontally.



Specifications:

- **Indoor / Outdoor**
- **Shielded magnets for use near computer monitor or TV screen**
- **Stand alone or wall/ceiling mount (mounting bracket included)**
- **5 1/4" Polymer sealed paper cone woofer**
- **3/4" Titanium dome tweeter**
- **Durable plastic cabinet with metal grill**
- **Can be mounted vertically or horizontally**
- **10" tall x 7.25" wide (front) 2.75" wide (back) x 6.5" deep**
- **6dB/12dB crossover with poly cap on the tweeter**
- **Nominal 8 ohm impedance**
- **80 watts max. Power handling**

TR-525 Price \$299.00 per pair
Specify white or black.



ACCUTON by Thiel & Partner



New Label	Old Label	Description	Ω	Fs Hz	dB	Watt w/cover	Box Ltrs Sealed/Vented	F3 Hz	Price Each
Tweeters									
D20N-6-31	D20-6	¾" Diamond Dome Tweeter	6	900	89.5	200			\$2,900.00
D25N-6-34	D25-6	1" Diamond Dome Tweeter	6						\$3,900.00
D30N-6-36	D30-6	1.2" Diamond Dome Tweeter	6	440	90	300			\$5,000.00
D50N-6-39	D50-6	2" Diamond Dome Midrange	6	390	89				\$13,500.00
C25-6-12	C12-6	1" Ceramic Dome Tweeter	6	700	89.5	120			\$226.00
C25N-6-13	C13-6	1" Ceramic Dome, Neo Magnet	6	1250	92	120			\$297.00
C30-6-23	C23-6	1.2" Ceramic Dome Tweeter	6	350	89.5	100			\$262.00
C30N-6-24	C24-6	1.2" Ceramic Dome, Neo Mag.	6	825	92	100			\$345.00
Square Frames									
C50-8-44	C44-8	2" Ceramic Dome Midrange	8	390	88.5	100	has sealed chamber		\$276.00
C90-6-79	C79-6	3" Ceramic Dome Midrange	6	96	88.5	120	Use 1.5 to 4 sealed		\$339.00
C90-T6-89	C89-T6	5" Ceramic Bass-Midrange	6	33.6	89.2	100	2.5S / 3V	110 / 80	\$368.00
Round Frames									
C153-T8-82	New	5" Ceramic Bass-Midrange	11	33.2	87	130	2.5S / 5V	118 / 70	\$275.00
C173N-T6-90	C90-T6	6.5" Ceramic Mid, Neo Magnet	6	73	93.2	120	2S / 3V	180 / 120	\$614.00
C173-6-92	C92-6	6.5" Ceramic Bass-Midrange	6	29	86	130	29S	49	\$285.00
C173-T6-95	C95-T6	6.5" Ceramic Bass-Midrange	6	32	89.1	130	6.5S / 9V	80 / 57	\$368.00
C173N-T6-96	New	6.5" Ceramic Midrange, Neo. Mag	6	37	93.3	130	3S	225	\$563.00
C220-T6-220	C220-T6	8" Ceramic Woofer	6	20.4	89.6	150	25S / 38V	53 / 36	\$564.00
C220N-T6-220	New	8" Ceramic woofer, Neo Magnet	6	26.7	93.2	150	6S / 15V	115 / 75	\$839.00

D20N-6-31



- ¾" PURE DIAMOND DOME TWEETER
- Response to @100kHz
- Extremely low harmonic distortion
- High sound propagation
- Ferrofluid loaded
- Flange 82 x 82mm
- Cut-out 64x 64mm
- Depth 56mm

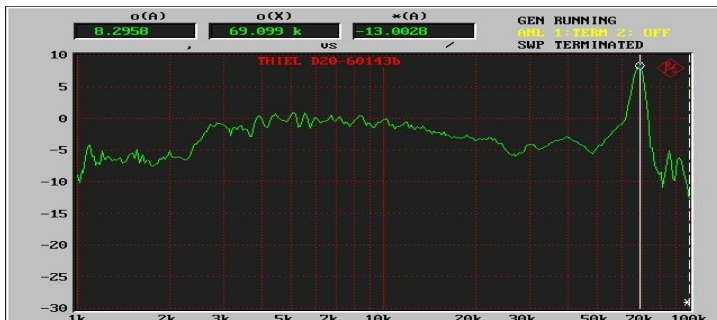
Znom	6 ohm	Sd	6.0 cm ²
Re	6.0 ohm	BL	- N/A
Le@1kHz	0.04 mH	Vas	- ltrs
fs	900 Hz	Xmax	- mm peak
Qms	-	VC Ø	18.9 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89.5 dB
Mms	0.09 g	Nom. Power	200 W
Cms	- mm/N	Net weight	430 g

D30N-6-36

No Picture
Looks like D20-6

- 1" PURE DIAMOND DOME TWEETER
- Response to @60kHz
- Extremely low harmonic distortion
- High sound propagation
- Ferrofluid loaded
- Flange 82 x 82mm
- Cut-out 64x 64mm
- Depth 56mm

Znom	6 ohm	Sd	8.4 cm ²
Re	6.0 ohm	BL	- N/A
Le@1kHz	0.04 mH	Vas	- ltrs
fs	440 Hz	Xmax	- mm peak
Qms	-	VC Ø	18.9 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.19 g	Nom. Power	300 W
Cms	- mm/N	Net weight	- g



No Graph Yet

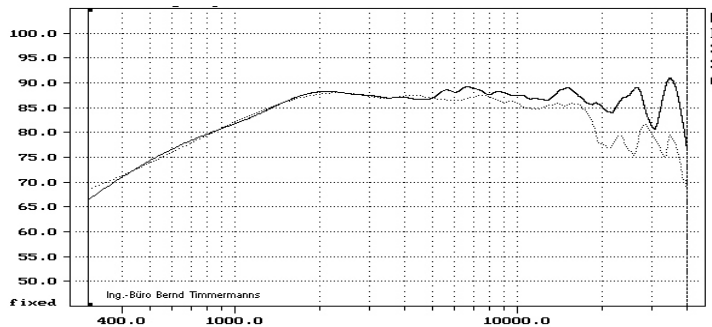
C25-6-12



- 1" CERAMIC DOME TWEETER
- Response to @30kHz
- Great as supertweeter or in 2-Way system
- Heavy zinc frontplate
- Ferrofluid loaded
- Flange 82 x 82mm
- Cut-out 64 x 64mm
- Depth 56mm

Znom	6	ohm
Re	6.0	ohm
Le@1kHz	0.04	mH
fs	700	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	.2	g
Cms	-	mm/N

Sd	6.1	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	16.4	mm
Sensitivity		
1W / 1m	89.5	dB
Nom. Power	120	W
Net weight	530	g



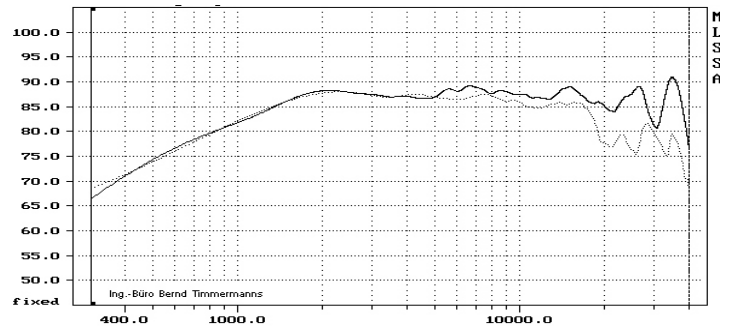
C25N-6-13



- 1" CERAMIC DOME TWEETER
- High efficiency version
- 4mm Underhung Neodymium magnet
- Heavy zinc frontplate
- Ferrofluid - reduced
- Flange 82 x 82mm
- Cut-out 64 x 64mm
- Depth 56mm

Znom	6	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	1360	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	6.1	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	16.4	mm
Sensitivity		
2.83V / 1m	92	dB
Nom. Power	120	W
Net weight	-	g



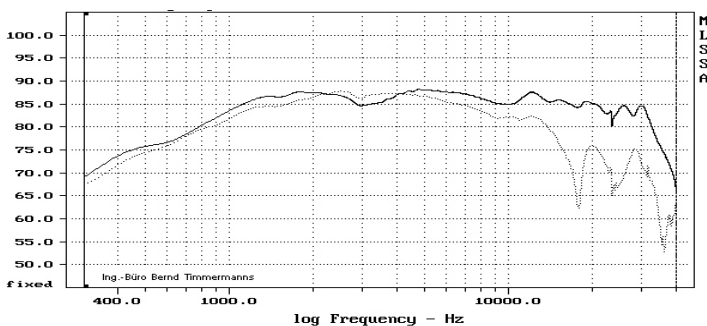
C30-6-23



- 1.2" CERAMIC DOME TWEETER
- Wide bandwidth
- Response to @23kHz
- Very high resolution
- Very low resonance
- Ferrofluid loaded
- Flange 106 x 106mm
- Cut-out 89 x 89mm
- Depth 67mm

Znom	6	ohm
Re	6.1	ohm
Le@1kHz	0.04	mH
fs	350	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	.4	g
Cms	-	mm/N

Sd	8.5	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	19.4	mm
Sensitivity		
1W / 1m	89.5	dB
Nom. Power	100	W
Net weight	980	g



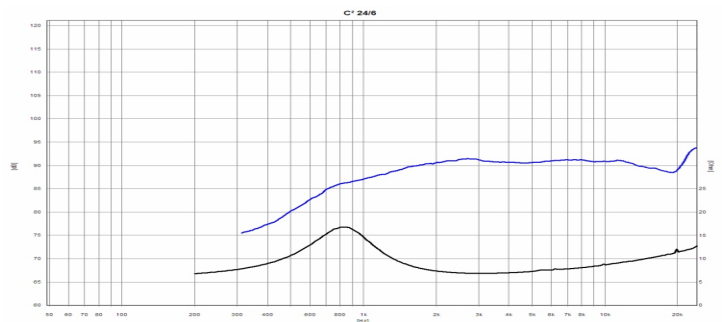
C30N-6-24



- 1.2" CERAMIC DOME TWEETER
- 6mm Underhung Neodymium magnet
- High efficiency version
- Very high resolution
- Ferrofluid loaded
- Flange 82 x 82mm
- Cut-out 64 x 64mm
- Depth 56mm

Znom	6	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	835	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	8.5	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	19.4	mm
Sensitivity		
2.83V / 1m	92	dB
Nom. Power	100	W
Net weight	-	g

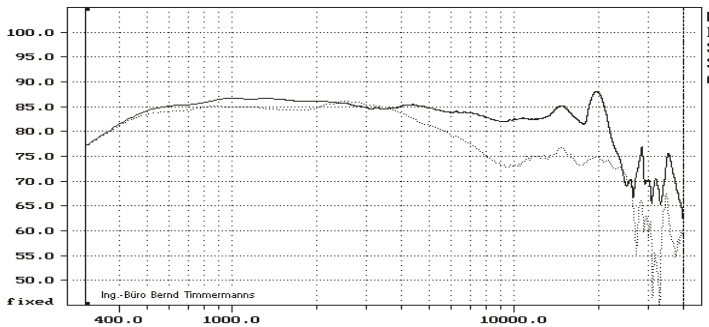


C50-8-44

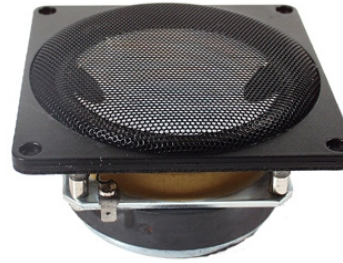


- 2" CERAMIC DOME MIDRANGE
- Response to @12kHz
- Flat on- and off- axis response from 400 Hz
- Very high resolution
- Ferrofluid loaded
- Flange 106x106mm
- Cut-out 89 x 89mm
- Depth 67mm

Znom	8 ohm	Sd	.02 cm ²
Re	8.2 ohm	BL	3.47 N/A
Le@1kHz	24.6 mH	Vas	.11 ltrs
fs	390 Hz	Xmax	0.8 mm peak
Qms	1.19	VC Ø	30.4 mm
Qes	2.2	Sensitivity	
Qts	.77	1W / 1m	88.5 dB
Mms	1.3 g	Nom. Power	130 W
Cms	0.13 mm/N	Net weight	680 g

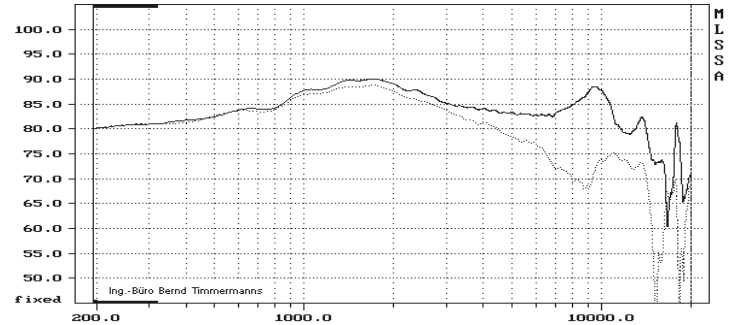


C90-6-79



- 3" CERAMIC DOME MIDRANGE
- Good dispersion up to 5 kHz
- Very high resolution
- Requires 1.5 to 4 liter sealed chamber
- Flange 130x130mm
- Cut-out 116x116mm
- Depth 75mm

Znom	6 ohm	Sd	75.5 cm ²
Re	5.8 ohm	BL	4.96 N/A
Le@1kHz	.12 mH	Vas	3.1 ltrs
fs	96 Hz	Xmax	2.6 mm peak
Qms	.96	VC Ø	37.7 mm
Qes	1.07	Sensitivity	
Qts	.51	1W / 1m	88.5 dB
Mms	7.2 g	Nom. Power	120 W
Cms	.39 mm/N	Net weight	1800 g

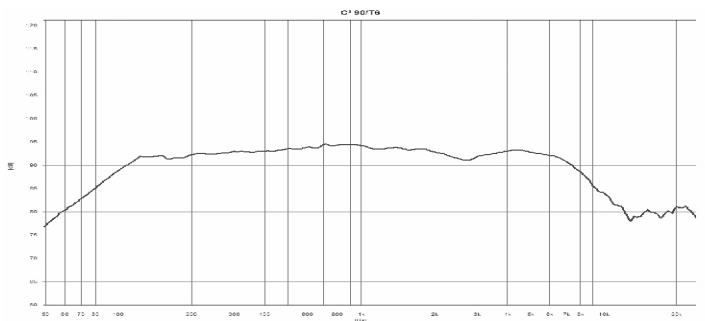


C173N-T6-90



- 6.5" CERAMIC MID
- High efficiency
- Titanium VC former
- Neodymium magnet
- Underhung voice coil
- Double roll surround
- Range 120Hz to 6kHz
- Flange 173mm round
- Cut-out 152mm
- Depth 90mm

Znom	6 ohm	Sd	145 cm ²
Re	6.5 ohm	BL	11.7 N/A
Le@1kHz	- mH	Vas	8.8 ltrs
fs	73 Hz	Xmax	- mm peak
Qms	6.54	VC Ø	55 mm
Qes	.32	Sensitivity	
Qts	.30	2.83V / 1m	93.2 dB
Mms	15.75 g	Nom. Power	120 W
Cms	.3 mm/N	Net weight	1800 g

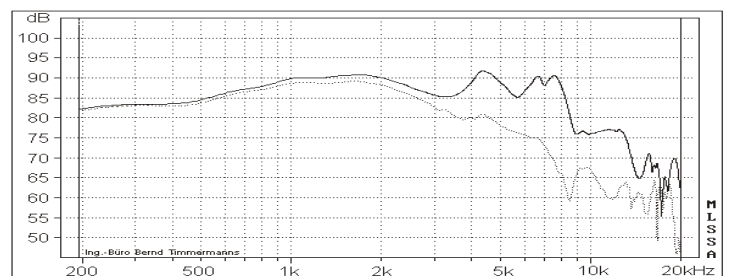


C90-T6-89



- 5" CERAMIC BASS-MIDRANGE
- Good dispersion up to 5 kHz
- Very high resolution
- Rubber surround
- Titanium VC former
- Flange 130x130mm
- Cut-out 116x116mm
- Depth 75mm

Znom	6 ohm	Sd	83.3 cm ²
Re	5.9 ohm	BL	7.1 N/A
Le@1kHz	0.4 mH	Vas	23.5 ltrs
fs	33.6 Hz	Xmax	3.1 mm peak
Qms	3.29	VC Ø	37.7 mm
Qes	.23	Sensitivity	
Qts	.215	1W / 1m	89.2 dB
Mms	9.3 g	Nom. Power	100 W
Cms	2.42 mm/N	Net weight	1800 g



C153-T8-82



- 5" CERAMIC BASS-MIDRANGE
- Good response to 3kHz
- Very high resolution
- Rubber surround
- Titanium VC former
- Flange 153 mm
- Cut-out 114mm
- Depth 65mm

Znom	11	ohm
Re	8.9	ohm
Le@1kHz	0.61	mH
fs	33.2	Hz
Qms	3.15	
Qes	0.26	
Qts	0.24	
Mms	7.8	g
Cms	2.94	mm/N

Sd	77	cm ²
BL	7.5	N/A
Vas	25.4	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	87	dB
Nom. Power	130	W
Net weight	-	g

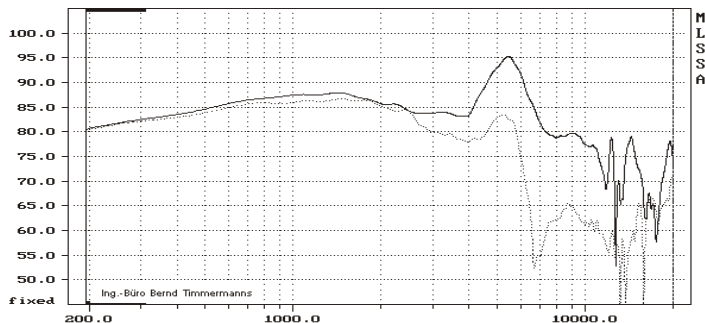
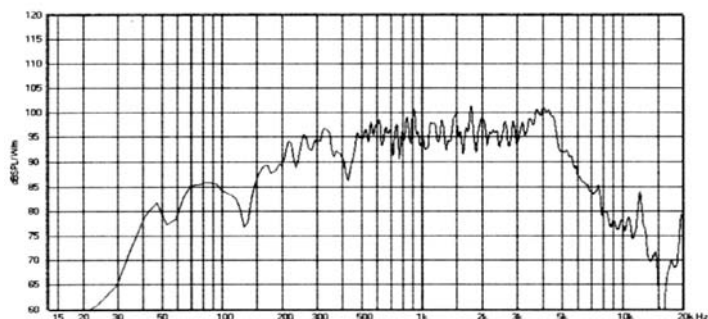
C173-6-92



- 6.5" CERAMIC BASS-MIDRANGE
- Good dispersion up to 4 kHz
- Very high resolution
- Rubber surround
- Aluminum VC former
- Flange 173mm
- Cut-out 152mm

Znom	8	ohm
Re	6.1	ohm
Le@1kHz	0.4	mH
fs	29	Hz
Qms	1.44	
Qes	.59	
Qts	.42	
Mms	13.8	g
Cms	2.18	mm/N

Sd	133	cm ²
BL	5.1	N/A
Vas	54.8	ltrs
Xmax	4.0	mm peak
VC Ø	39	mm
Sensitivity		
1W / 1m	86	dB
Nom. Power	130	W
Net weight	2450	g



C173-T6-95



- 6.5" CERAMIC BASS-MIDRANGE
- Good dispersion up to 3 kHz
- Very high resolution
- Rubber surround
- Titanium VC former
- Flange 173mm
- Cut-out 152mm

Znom	6	ohm
Re	5.9	ohm
Le@1kHz	0.73	mH
fs	32	Hz
Qms	4.0	
Qes	.30	
Qts	.279	
Mms	13.8	g
Cms	1.36	mm/N

Sd	133	cm ²
BL	8.32	N/A
Vas	34.2	ltrs
Xmax	5.0	mm peak
VC Ø	38	mm
Sensitivity		
1W / 1m	89.1	dB
Nom. Power	130	W
Net weight	2450	g

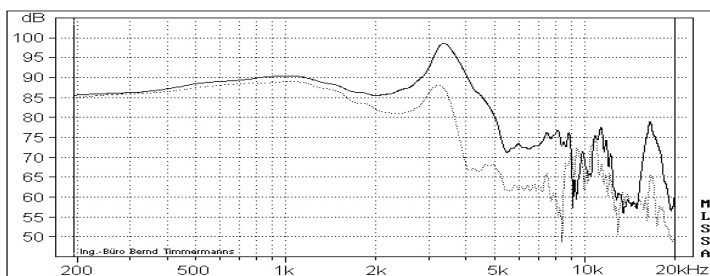
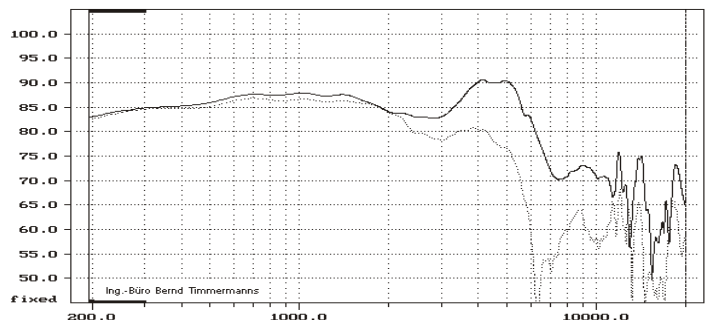
C220-T6-220



- 8" CERAMIC WOOFER
- Low resonance
- High excursion
- Rubber surround
- Titanium VC former
- Flange 222mm
- Cut-out 188mm
- Depth 120mm

Znom	6	ohm
Re	5.9	ohm
Le@1kHz	0.61	mH
fs	20.4	Hz
Qms	4.49	
Qes	0.29	
Qts	0.27	
Mms	31.9	g
Cms	1.91	mm/N

Sd	233	cm ²
BL	9.1	N/A
Vas	144	ltrs
Xmax	5.2	mm peak
VC Ø	38	mm
Sensitivity		
1W / 1m	89.6	dB
Nom. Power	150	W
Net weight	2950	g



LA PASSION DU HAUT-PARLEUR

AUDAX

Audax is now
produced by
AAC of France.



MADISOUND SPEAKER COMPONENTS, INC.

8608 UNIVERSITY GREEN

P.O. BOX 44283

MADISON, WI 53744-4283 U.S.A.

TEL: 608-831-3433 FAX: 608-831-3771

e-mail: info@madisound.com

Web Page: http://www.madisound.com



Model	Size Description	Ω	Fs Hz	Qts	Vas Ltrs	Xmax mm	Power Watts	dB	Cost Each
Soft and Hard dome tweeters									
TM010A1	Micro Series 10mm polymer dome, 4 ohm, by AAC	4	3000	-	-	0.25	25	85	\$6.70
TM010A1_Grill	Black or Brown Grill for TM010A1 tweeter	-	-	-	-	-	-	-	\$1.55
TW010F1	10mm polymer dome, 74mm round flange	8	3000	-	-	0.25	25	90	\$5.75
TW025A0	25mm textile dome, 100mm round flange (3.93"), made by AAC	8	1090	-	-	0.65	55	90	\$28.25
TW025A2	25mm textile dome, 100mm round flange, 4 ohm, by AAC	4	1090	-	-	-	55	92	\$28.25
TW025A20	25mm Titanium dome, Neodymium magnet, heat sinks	8	1137	-	-	-	100	93	\$103.25
TW034X0	34mm textile dome, 132mm flange, made by AAC of France	8	800	-	-	0.25	70	93	\$72.05
Repair parts for Audax tweeters									
RW025A0	Replacement voice coil for TW025A0	8							\$10.50
RW025A2	Replacement voice coil for TW025A2	4							\$10.50
RW034X0	Replacement Voice coil for TW034X0 tweeter	8							\$39.15
Reference Series Carbon Fiber Cone Driver - Cast Frame, Rubber Surround									
HM100C0	4" Carbon Fiber Cone mid/bass, made by AAC of France	8	54	.21	6.4	1.8	40	89	\$81.75
HM130C0	5.25" Carbon Fiber Cone mid/bass, made by AAC of France	8	46	.31	18.1	3	50	90	\$89.20
Polymer Chassis Woofers									
AP130Z0 SALE	Shielded 5.25" Aerogel cone, response 99S/60V to 2.5kHz	6	57.6	0.41	10.9	2.5	40	87.4	\$19.00
Professional Speaker									
PR170M0	6.5" Paper Cone midrange, 100dB, made by AAC of France	8	117	0.51	5.5	0.5	100	100	\$83.30

TM010A1



- 10mm Polymer Dome Micro Tweeter
- Neodymium magnet
- Ultra light and compact
- Ferrofluid cooled
- Formerless VC
- Flange 29.5mm
- Cut-out 27.8mm
- Depth 14mm
- Grill sold separately

Znom	4	ohm	Sd		cm ²
Re	3.4	ohm	BL	1	N/A
Le@1kHz		mH	Vas		ltrs
fs	3000	Hz	Xmax	.25	mm peak
Qms	-		VC Ø	10	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	85	dB
Mms	0.13	g	Nom. Power DIN	25	W
Cms	-	mm/N	Net weight	0.01	kg

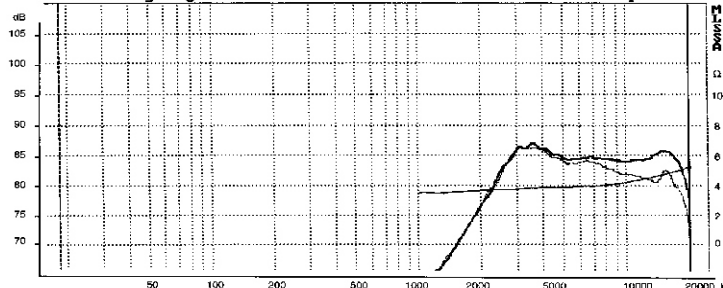
TW010F1



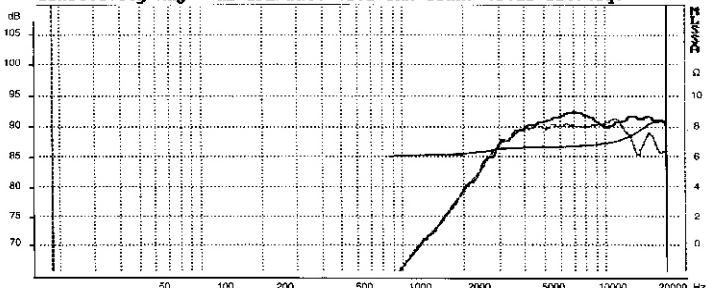
- 10mm Polymer Dome Tweeter
- Formerless VC
- Ferrofluid cooled
- 1st order above 6K
- Exceptional transient response
- Flange 74mm
- Cut-out 48mm
- Depth 14.4mm

Znom	8	ohm	Sd	.03	cm ²
Re	5.5	ohm	BL	1.3	N/A
Le@1kHz	.03	mH	Vas	-	ltrs
fs	3000	Hz	Xmax	0.25	mm peak
Qms	-		VC Ø	10	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	.11	g	Nom. Power DIN	25	W
Cms	-	mm/N	Net weight	0.05	kg

Sensitivity Mag - dB SPL/watt (1.0 ohm load) (0.16 oct)(eq)



Sensitivity Mag - dB SPL/watt (8.0 ohm load) (0.16 oct)(eq)

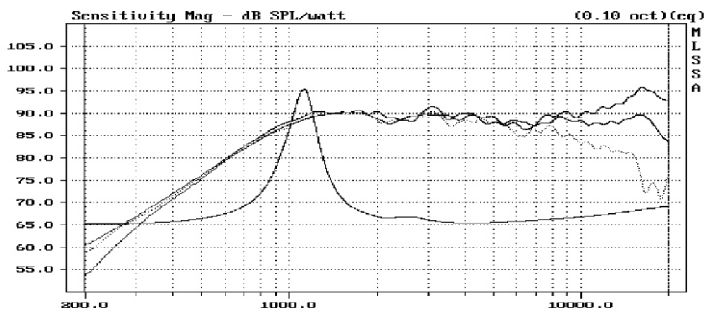


TW025A0



- 25mm Textile Dome Tweeter
- 8 ohms
- Extended response
- Replaceable voice coil
- Aluminum faceplate
- Flange 100mm
- Cut-out 75mm
- Depth 23.5mm

Znom	8 ohm	Sd	4.91 cm ²
Re	5.8 ohm	BL	1 N/A
Le@1kHz	.03 mH	Vas	- ltrs
fs	1090 Hz	Xmax	0.65 mm peak
Qms	4.21	VC Ø	25 mm
Qes	1.3	Sensitivity	
Qts	1	1W / 1m	90 dB
Mms	- g	Nom. Power DIN	55 W
Cms	- mm/N	Net weight	460 g

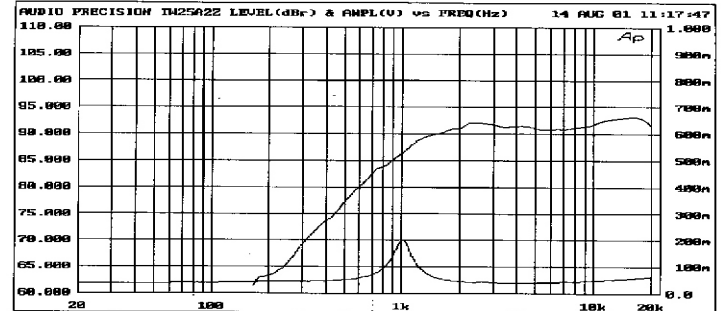


TW025A2



- 25mm Textile Dome Tweeter
- 4 ohms
- Extended response
- Replaceable VC
- Aluminum face plate
- Flange 100mm
- Cut-out 75mm
- Depth 23.5mm

Znom	4 ohm	Sd	- cm ²
Re	- ohm	BL	- N/A
Le@1kHz	- mH	Vas	- ltrs
fs	900 Hz	Xmax	0.65 mm peak
Qms	-	VC Ø	- mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	93 dB
Mms	- g	Nom. Power DIN	55 W
Cms	- mm/N	Net weight	- kg

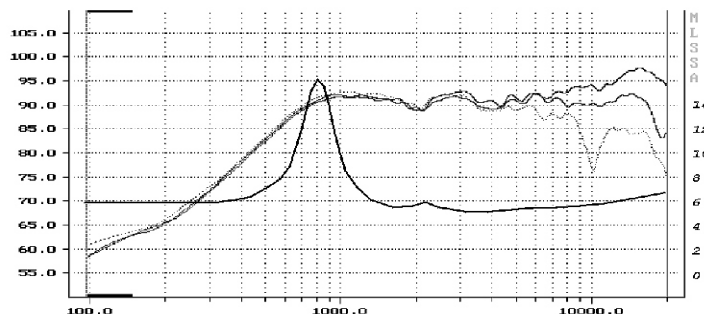


TW034X0



- 34mm Textile Dome Tweeter
- Extended frequency response
- Replaceable VC
- Solid aluminum face plate
- Flange 132mm
- Cut-out 106mm
- Depth 29mm

Znom	8 ohm	Sd	10.8 cm ²
Re	5.3 ohm	BL	3.5 N/A
Le@1kHz	- mH	Vas	- ltrs
fs	800 Hz	Xmax	0.25 mm peak
Qms	-	VC Ø	34 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	93 dB
Mms	0.5 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	1180 g

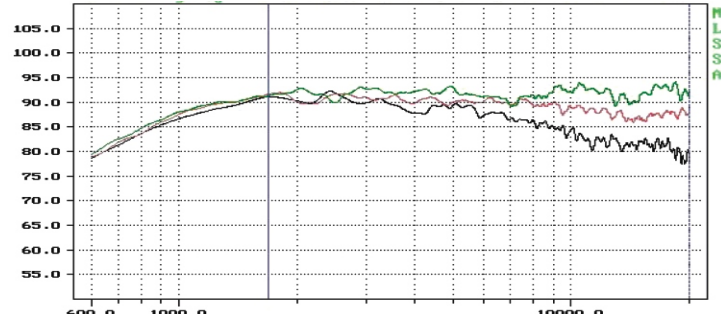


TW025A20



- 25mm Titanium Dome Tweeter
- Neodymium magnet with heat sinks
- Solid aluminum face plate
- Chambered back
- Flange 100 mm
- Cut-out 76 mm
- Depth 32 mm

Znom	8 ohm	Sd	4.91 cm ²
Re	5.5 ohm	BL	- N/A
Le@1kHz	- mH	Vas	- ltrs
fs	1137 Hz	Xmax	- mm peak
Qms	3.47	VC Ø	25 mm
Qes	0.96	Sensitivity	
Qts	0.76	2.83V / 1m	93 dB
Mms	- g	Nom. Power DIN	100 W
Cms	- mm/N	Net weight	- g



HM100C0



- 4" Carbon Fiber Cone Mid-bass
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 110mm square
- Cut-out 94mm
- Depth 57mm

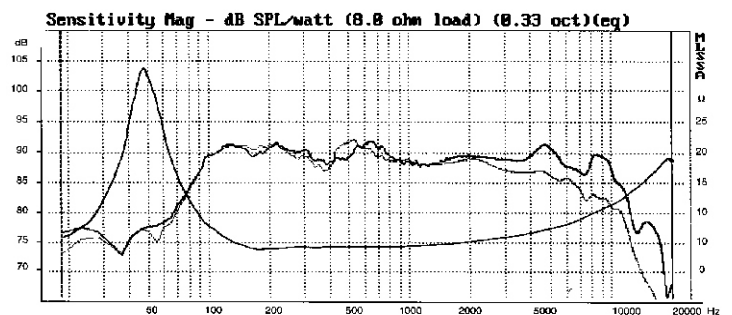
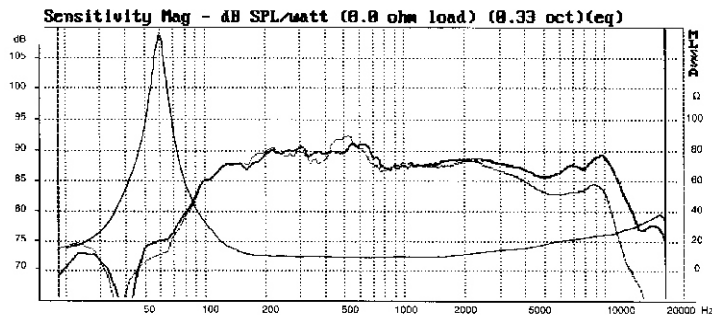
Znom	8 ohm	Sd	-	cm ²
Re	6.4 ohm	BL	6.96	N/A
Le@1kHz	.11 mH	Vas	6.4	ltrs
fs	54 Hz	Xmax	1.8	mm peak
Qms	3.27	VC Ø	25	mm
Qes	0.22	Sensitivity		
Qts	0.21	1W / 1m	89	dB
Mms	5.1 g	Nom. Power DIN	40	W
Cms	- mm/N	Net weight	.93	kg

HM130C0



- 5.25" Carbon Fiber Cone Mid-bass
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 136mm square
- Cut-out 115.44mm
- Depth 65mm

Znom	8 ohm	Sd	-	cm ²
Re	6.2 ohm	BL	5.97	N/A
Le@1kHz	.39 mH	Vas	18.1	ltrs
fs	46 Hz	Xmax	3	mm peak
Qms	3.6	VC Ø	25	mm
Qes	.34	Sensitivity		
Qts	.31	1W / 1m	90	dB
Mms	6.9 g	Nom. Power DIN	50	W
Cms	- mm/N	Net weight	1.4	kg



AP130Z0



- 5.25" Shielded Aerogel Cone Bass Midrange
- Suitable for A/V
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Flange 143mm
- Cut-out 112mm
- Depth 66.5mm

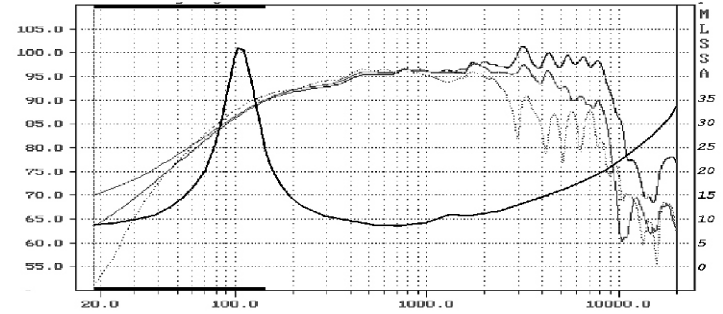
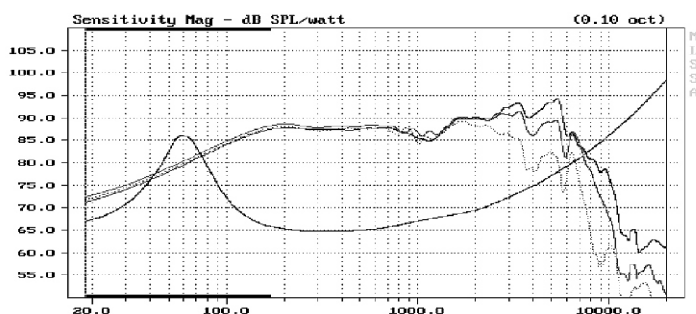
Znom	6 ohm	Sd		cm ²
Re	5.7 ohm	BL	4.72	N/A
Le@1kHz	.4 mH	Vas	10.85	ltrs
fs	57.6 Hz	Xmax	0.35	mm peak
Qms	1.48	VC Ø	25	mm
Qes	.57	Sensitivity		
Qts	.41	1W / 1m	87.4	dB
Mms	6.86 g	Nom. Power DIN	40	W
Cms	1.11 mm/N	Net weight	.9	kg

PR170M0 (100dB)



- Professional 6.5" Paper Cone Midrange
- Diecast basket
- Flat Foam surround
- Kapton VC former
- Edgewound 40mm VC
- Gold plated terminals
- Flange 190mm square
- Cut-out 145mm
- Depth 76mm

Znom	8 ohm	Sd	139	cm ²
Re	6.2 ohm	BL	8.24	N/A
Le@1kHz	.73 mH	Vas	5.5	ltrs
fs	117 Hz	Xmax	0.5	mm peak
Qms	3.16	VC Ø	40	mm
Qes	0.61	Sensitivity		
Qts	0.51	1W / 1m	100	dB
Mms	9.17 g	Nom. Power DIN	100	W
Cms	- mm/N	Net weight	2.5	kg





IWS-Micro In-wall Speaker

- 1.25" Micro In-wall
- Designed for installation in single gang box
- 20W RMS power handling
- Frequency range 150Hz - 20kHz $\pm$ 6dB
- Capable of high SPL for such a small speaker
- 8 ohm impedance
- Inherently Shielded
- 33mm voice coil $\varnothing$
- 84 dB
- (single gang box not included)



Price Each \$43.00

The IWS-Micro is a Sound Contractors dream. This little speaker has a big speaker output. The 3mm peak x-max allows for a lot of cone travel. This speaker has no application boundaries and challenges the imagination for new uses. Here are some ideas we've thought of:

- Computer surround sound
- Information applications in museums, libraries, etc.
- Theme park rides
- Bathrooms
- Ambient sound in waiting rooms and offices
- Computer monitors
- Home theater arrays
- Aircraft



NT1-204-8D 3/4" Titanium Dome Tweeter

Specifications:

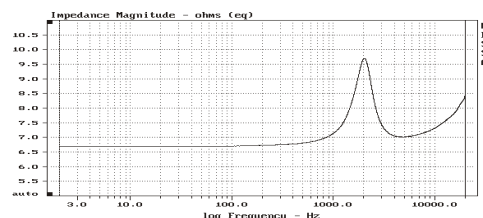
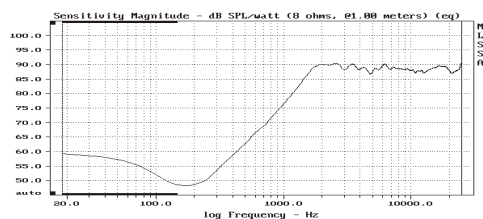
Fs	2000	Hz
Nominal Imp.	8	ohms
Power (RMS)	15	W
Re	6.96	ohms
Sens. 1W/1m	88.5	dB
X-max peak	0.6	mm
Mms	0.16	gr
VC diameter	20	mm

Features:

- Frequency 3kHz to 25kHz
- Titanium dome
- Underhung voice coil
- Neodymium magnet
- Inherently shielded
- Frame: 39mm square
- Overall Depth: 22mm
- Could be rear mounted, 3/4"
- **Don't touch the dome!!!**



Price Each \$8.75



NSW1-205-8A 1" Extended Range

Specifications:

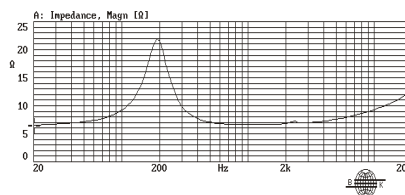
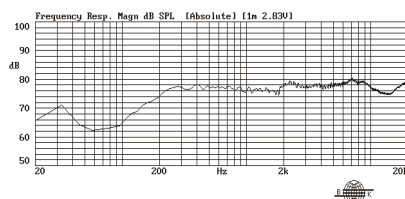
Fs	220	Hz
Nominal Imp.	8	ohms
Power (RMS)	5	W
Re	6.3	ohms
Sens. 1W/1m	78	dB
X-max peak	1.5	mm
Qms	2.1	
Qes	1.1	
Qts	0.7	
Vas	0.04	ltrs
BL	1.9	TM
Mms	0.50	gr
Cms	1155	μ M/N
Sd	5.31	cm ²
Net weight	52.3	g
Max Exc. p2p	6	mm
VC diameter	20	mm

Features:

- Frequency 220 to 25kHz
- Titanium dome
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Foam surround
- Frame: 39mm square
- Overall Depth: 22mm



Price Each \$12.20



NSW2-326-8A 2" Extended Range

Specifications:

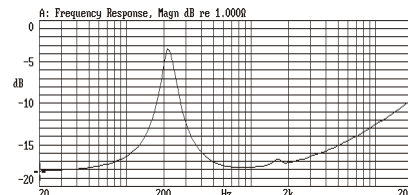
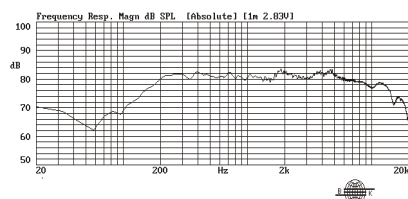
Fs	250	Hz
Nominal Imp.	8	ohms
Power (RMS)	15	W
Re	6.4	ohms
Sens. 1W/1m	84	dB
X-max peak	3	mm
Qms	4.72	
Qes	0.80	
Qts	0.68	
Vas	0.1	ltrs
BL	3.5	TM
Mms	1.04	gr
Cms	390	μ M/N
Sd	13.2	cm ²
Net weight	113	g
Max Exc. p2p	10	mm
VC diameter	33	mm

Features:

- Frequency 250 to 15kHz
- Titanium dome
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Foam surround
- Frame: 49mm square
- Overall Depth: 29.4mm



Price Each \$16.00





NS3-193-4A/8A & 4A1/8A1 3" Extended Range

Specifications:

	4Ω	8Ω
Fs	78	80 Hz
Power (RMS)	20	20 W
Re	3.5	7.6 ohms
Sens. 1W/1m	80	80 dB
X-max peak	4.75	5 mm
Qms	9.0	8.0
Qes	0.62	0.73
Qts	0.58	0.67
Vas	1.27	1.25 ltrs
BL	3.5	4.7 TM
Mms	4.5	4.3 gr
Cms	925	920 μM/N
Sd	31	31 cm ²
Net weight	216	216 g
VC diameter	19.3	19.3 mm

Features:

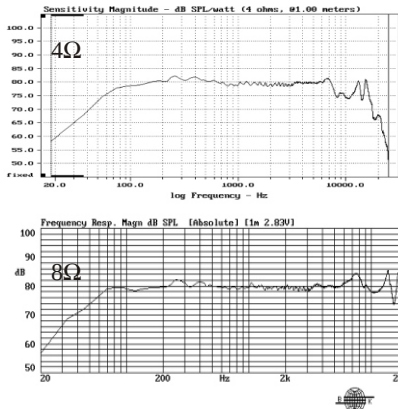
- Frequency 80 to 7kHz
- Low distortion
- Aluminum cone
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Rubber surround
- Frame: 105mm
- Depth: 66mm



A drivers have silver cones and A1 have black cones

Price Each \$19.50

Recommended Enclosure for F3 of 85Hz: 3 to 6 liters (0.1 to 0.2 cf)



NS4-255-4D1/8D1 4" Extended Range

Specifications:

	4Ω	8Ω
Fs	66	59 Hz
Power (RMS)	20	20 W
Re	3.6	6.0 ohms
Sens. 1W/1m	84	83 dB
X-max peak	5.5	5.5 mm
Qms	4.57	6.81
Qes	0.46	0.45
Qts	0.42	0.42
Vas	2.67	3.40 ltrs
BL	4.99	6.12 TM
Mms	7.84	7.64 gr
Cms	753	959 μM/N
Sd	50.27	50.27 cm ²
Net weight	384	384 g
VC diameter	25.5	25.5 mm

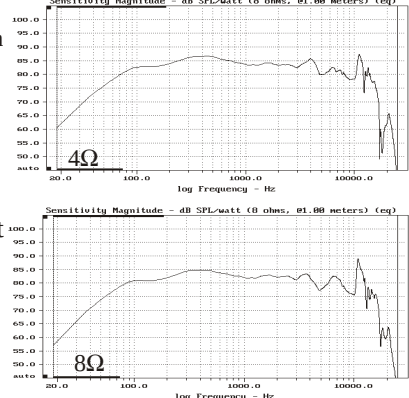
Features:

- Frequency 60 to 6kHz
- Low distortion
- Aluminum cone
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Rubber surround
- Frame: 105mm
- Depth: 66mm



Price Each \$34.00

Please refer to our web site for impedance curves and box alignments.



NRT18-8 18" Pro Sound Woofer

Specifications:

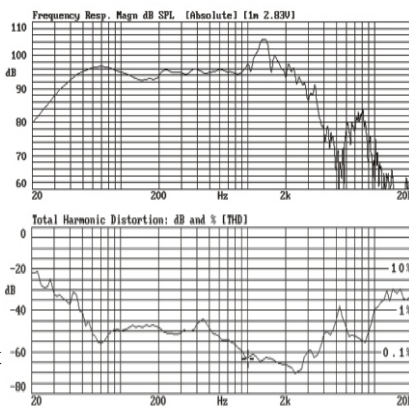
Fs	25	Hz
Nominal Imp.	8	ohms
Power (RMS)	800	W
Re	5.6	ohms
Sens. 1W/1m	96	dB
X-max peak	18	mm
Qms	4.40	
Qes	0.28	
Qts	0.26	
Vas	475	ltrs
BL	24.5	TM
Mms	186	gr
Cms	218	μM/N
Sd	1240	cm ²
Net weight	13.5	kg
VC diameter	99.1	mm

Features:

- Frequency 25 to 2kHz
- Low distortion
- Paper/fiberglass/epoxy cone material
- Edgewound aluminum ribbon voice coil
- NRT neodymium magnet
- Inherently shielded
- Polyester Weave surround



Price Each \$912.00



F3 of 52Hz in 4.5cf vented box with two 4" Ø vents x 9.5" long, some stuffing



AST-2B-4 Pro Bass Shaker

50Watt RMS Continuous
4 ohm
6.2" in diameter, 2.2" tall
Fs 40Hz
Peak Force 30lbf (132N)
Weight 3 lbs

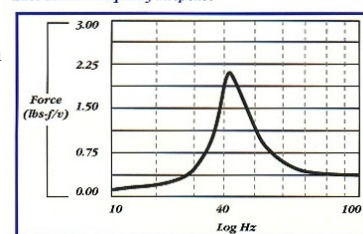
Price Each \$39.00

Want to feel your music? The Bass Shaker products allow you to experience every thump, thrust and shake...the way bass sound was originally intended. Aura's patented technology preserves the sound pressure levels so there's no distortion while enhancing the bass energy delivered from your stereo. We're taking surround sound to another level....



To add bass shakers to your home theater system, they need to be powered by an amplifier (50 to 100 watt recommended) and receive the same signal as your powered subwoofer. No crossover is needed. Bass shakers should be rigidly mounted to the bottom of your seat, whether it your car seat

Bass Shaker Frequency Response





NS10-794-4A 10" Subwoofer

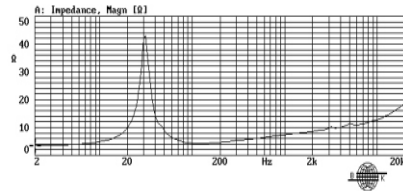
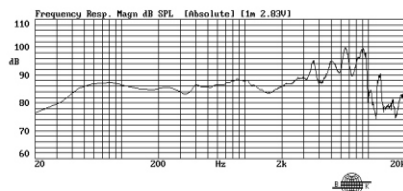
Specifications:

Fs	32	Hz
Nominal Imp.	4	ohms
Power (RMS)	400	W
Re	3.6	ohms
Sens. 1W/1m	83	dB
X-max peak	18	mm
Qms	7.8	
Qes	0.42	
Qts	0.4	
Vas	33	ltrs
BL	13	TM
Mms	103	gr
Cms	236	$\mu\text{M/N}$
Sd	317	cm^2
Net weight	7.7	kg
Max Exc. p2p	60	mm
VC diameter	79.4	mm

- Frequency Fo to 1.5kHz
- Aluminum Cone - black
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Rubber surround
- Frame: 268.2mm
- Cut out: 232.2mm
- Depth: 178.3mm



Price Each \$481.00



Recommended Enclosure for F3 of 30Hz:
1.5 cubic feet with 3" Ø vent by 12" long



NS12-794-4A 12" Subwoofer

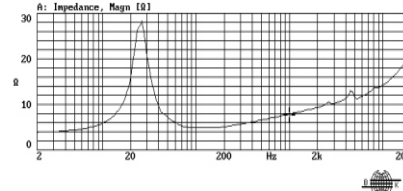
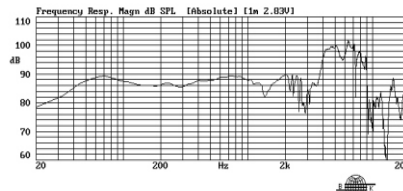
Specifications:

Fs	27	Hz
Nominal Imp.	4	ohms
Power (RMS)	400	W
Re	3.5	ohms
Sens. 1W/1m	84	dB
X-max peak	18	mm
Qms	7.1	
Qes	0.45	
Qts	0.43	
Vas	78	ltrs
BL	14	TM
Mms	152	gr
Cms	233	$\mu\text{M/N}$
Sd	487	cm^2
Net weight	8.0	kg
Max Exc. p2p	60	mm
VC diameter	79.4	mm

- Frequency Fo to 1.5kHz
- Aluminum Cone - black
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Rubber surround
- Frame: 317mm
- Cut out: 280mm
- Depth: 202mm



Price Each \$565.00



Recommended Enclosure for F3 of 25Hz:
3.5 cubic feet with 4" Ø vent by 12" long



NS15-992-4A 15" Subwoofer

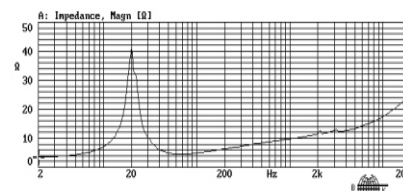
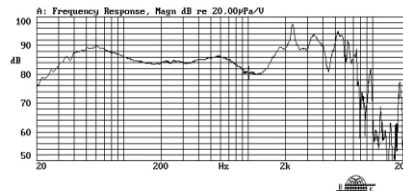
Specifications:

Fs	20	Hz
Nominal Imp.	4	ohms
Power (RMS)	800	W
Re	3.3	ohms
Sens. 1W/1m	86	dB
X-max peak	25	mm
Qms	8.0	
Qes	0.4	
Qts	0.37	
Vas	169	ltrs
BL	18	TM
Mms	314	gr
Cms	206	$\mu\text{M/N}$
Sd	765	cm^2
Net weight	20.1	kg
Max Exc. p2p	75	mm
VC diameter	99.2	mm

- Frequency Fo to 1.5kHz
- Aluminum Cone - black
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Rubber surround
- Frame: 393.4mm
- Cut out: 352mm
- Depth: 270mm



Price Each \$685.00



Recommended Enclosure for F3 of 22Hz:
4.5 cubic feet with 4" Ø vent by 15" long



NS18-992-4A 18" Subwoofer

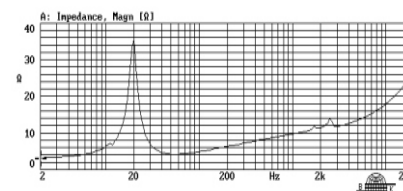
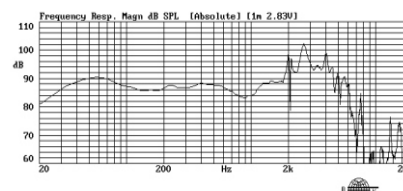
Specifications:

Fs	20	Hz
Nominal Imp.	4	ohms
Power (RMS)	800	W
Re	3.1	ohms
Sens. 1W/1m	86	dB
X-max peak	25	mm
Qms	7.7	
Qes	0.5	
Qts	0.47	
Vas	322	ltrs
BL	17	TM
Mms	400	gr
Cms	170	$\mu\text{M/N}$
Sd	1164	cm^2
Net weight	19.7	kg
Max Exc. p2p	75	mm
VC diameter	99.2	mm

- Frequency Fo to 1.5kHz
- Aluminum Cone - black
- Underhung voice coil
- NRT neodymium magnet system
- Inherently shielded
- Rubber surround
- Frame: 477mm
- Cut out: 426.4mm
- Depth: 287.1mm



Price Each \$882.00



Recommended Enclosure for F3 of 35Hz:
4.5 cubic feet sealed and stuffed

Eclipse Woofers by Eminence

Eclipse 10" Polypropylene cone woofer with rubber surround and vented pole piece.

W1038R 10" Poly Cone Woofer	
Fs	18.36
Impedance	6 ohm
Mmd	58.4 Grams
Cms	1207.4 m/n
Vas	214.9 Liters
Rsc	4.7 Ω
Leap Krm	3.439
Leap Kxm	25.412
Leap Erm	0.813
Leap Exm	0.670
vcL	1.4mH @ 1K
Bl	9.95 Tm
Qms	4.694
Qes	0.341
Qts	0.318
Xmax	8.0 mm Peak
SD	0.0354 m ²
Surround	Rubber
Magnet	40 oz.
Voice Coil	2 Inch
Power Handling	100 watts
Freq. Response	28—1500 Hz
Efficiency	88 dB @2.83V
Price	\$57.00



Frame Size:

10 1/8" diameter
9 1/8" cutout diameter
4 7/16" depth

Sealed Box Alignment

2 cubic feet
F3 of 40Hz
Qtc of .7

Vented Box Alignments

QB3 alignment
2.9 cubic feet
F3 of 28Hz
3" diameter x 9" long

Eclipse 12" Polypropylene cone woofer with rubber surround and vented pole piece.

W1238R 12" Poly Cone Woofer	
Fs	21.48
Impedance	6 ohm
Mmd	86.5 Grams
Cms	586.39 m/n
Vas	236.55 Liters
Rsc	4.9 Ω
Leap Krm	3.368
Leap Kxm	28.125
Leap Erm	0.868
Leap Exm	0.738
vcL	2.84mH @ 1K
Bl	15.38 Tm
Qms	6.599
Qes	0.262
Qts	0.252
Xmax	8.0 mm Peak
SD	0.0533 m ²
Surround	Rubber
Magnet	40 oz.
Voice Coil	2 Inch
Power Handling	150 watts
Freq. Response	25—1000 Hz
Efficiency	92 dB @2.83V
Price	\$61.00



Frame Size:

12" diameter
11" cutout diameter
5 3/8" depth

Vented Box Alignment

2.0 cubic feet
F3 of 35Hz
3" diameter x 6" long
w/KG5150 F3 30Hz

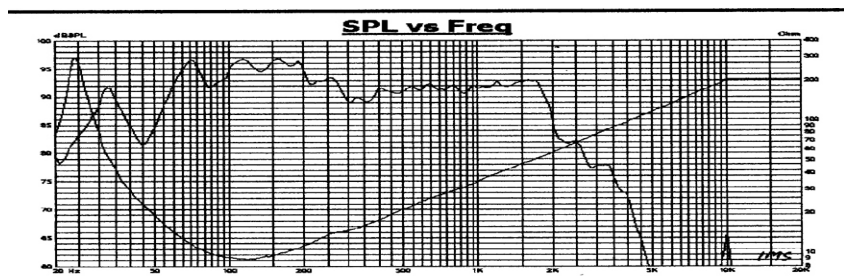
Eminence EMI-1550 15" High Efficiency Woofer

EMI-1550 15" Paper Cone Woofer	
Fs	22.54
Impedance	8 ohm
Mms	84.2 Grams
Cms	510.0 m/n
Vas	501.3 Liters
Rsc	6.73 Ω
Leap Krm	5.637
Leap Kxm	15.165
Leap Erm	0.750
Leap Exm	0.700
vcL	4.13mH
Bl	19.38 Tm
Qms	10.00
Qes	0.23
Qts	0.23
Xmax	7.15 mm Peak
SD	832 cm ²
Surround	Cloth Accordion
Magnet	67 oz.
Voice Coil	2 Inch, 4 layer, Cu
Power Handling	150 watts
Freq. Response	23—1700 Hz
Efficiency	2.96%
SPL	96.3 dB @2.83V
Flange diameter	389mm (15.3")
Mounting hole	356mm (14")
Depth	146mm (5.75")
Flange thickness	20mm (0.79")
Price	\$91.00

We had this woofer made by Eminence in order to offer an efficient subwoofer for use with high efficiency full range speakers and efficient speaker systems. We worked with Eminence to develop a 15" woofer where efficiency and bass response were equally important, not just power handling. We are very happy with the results.

When using the EMI-1550 with one of our plate amplifiers, we recommend a 3.5 cubic foot box with the 4" flared port 6" long (5" if not using a flared port). For the flared ports that we have, you would connect the front flare to the rear flare and not use the center tube. This box will give you and F3 of 36Hz. Power handling of 150 watts without exceeding the x-max, maximum output of 114.5dB. Using this box with and amplifier that doesn't have a bass boost will result in an F3 of 45Hz.

Another box option for an amplifier without a bass boost would be the Extended Bass Shelf, 4.5 cubic feet with a 4" diameter vent by 5" long (6" if flared port). The F3 is about 40Hz, roll off starts at about 100Hz.



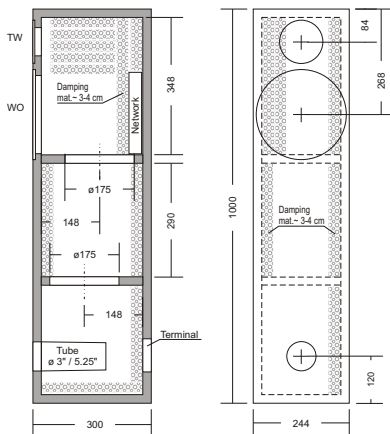


We can special order any Eminence speaker, just let us know what you require and we'll come back with a quote.

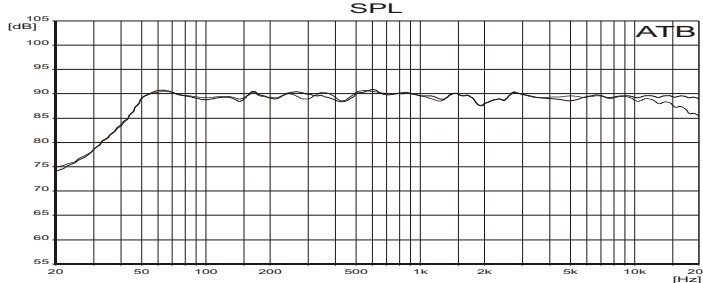
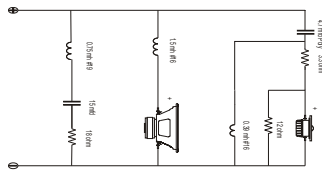


Unit	Description	Ω	fs	dB	Watt	Price Each
ER-4	Air Motion Ribbon Tweeter - 1.5 to 30kHz	6	490	88	60	\$341.50
19 SD 1	3/4" Textile Dome Tweeter, dbl. magnet	8	1100	89	80	\$69.80
25 SD 1	1" Textile Dome Tweeter, dbl. magnet	8	1000	90	100	\$76.60
All Eton midranges and woofers feature Kevlar/Nomex Hexacone cones.						
5-880	5" Kevlar Woofer	8	52	87	50	\$120.20
7-360	7" Kevlar Woofer	8	43	89	100	\$145.50
7-372	7" Long Throw Kevlar Woofer with heat pipe	8	32	88	80	\$179.40
8-472	8" Long Throw Kevlar Woofer with heat pipe	8	24	88	90	\$222.60
8-800	8" Kevlar Woofer	8	36	89	120	\$171.80
11-581	11" Kevlar Woofer	8	21	91	150	\$343.40
12-680	12" Kevlar Woofer	8	26	91	200	\$492.60
Eton Kits engineered by Eton in Germany						
All kits include speakers, crossovers ,all brass gold plated input terminals, black screws, port tubes and port tube trim rings, foam dampening pads, Acusta-Stuf (if called for) and Supra Classic internal speaker wire. Cabinet drawings are included. Cabinets are not available at this time. We recommend using Deflex panels behind the woofers and within the midrange chambers.						
Eton 8.1 Kit: 2-way system using 8-800 woofer and 25SD-1 tweeter. Floor standing.						\$565.00 pr
Eton 8.2 Kit: 3-way system using 8-800 woofer, 5-880 midrange and 19SD-1 tweeter. Floor standing.						\$935.00 pr
Eton 11.2 Kit: 3-way system using 11-581 woofer, 5-880 midrange and 19SD-1 tweeter. Floor standing.						\$1170.00 pr

ETON 8.1 Kit

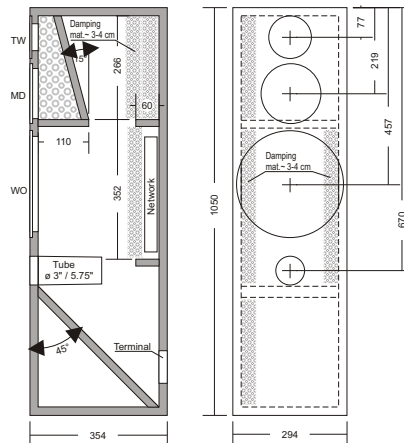


- 8" 2-Way Design
- Cabinets not available
- Fully assembled premium crossovers
- 8-800 woofer
- 25SD-1 tweeter
- All damping materials included
- 39.4" tall
- 11.8" deep
- 9.6" wide

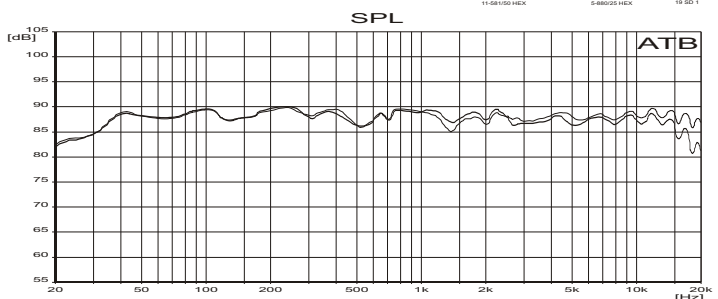
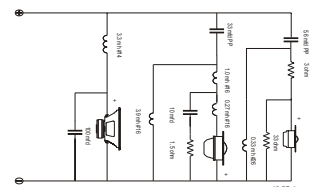


ETON - Model 8.1
SPL 1 Watt / 1 m - 0°, 30°

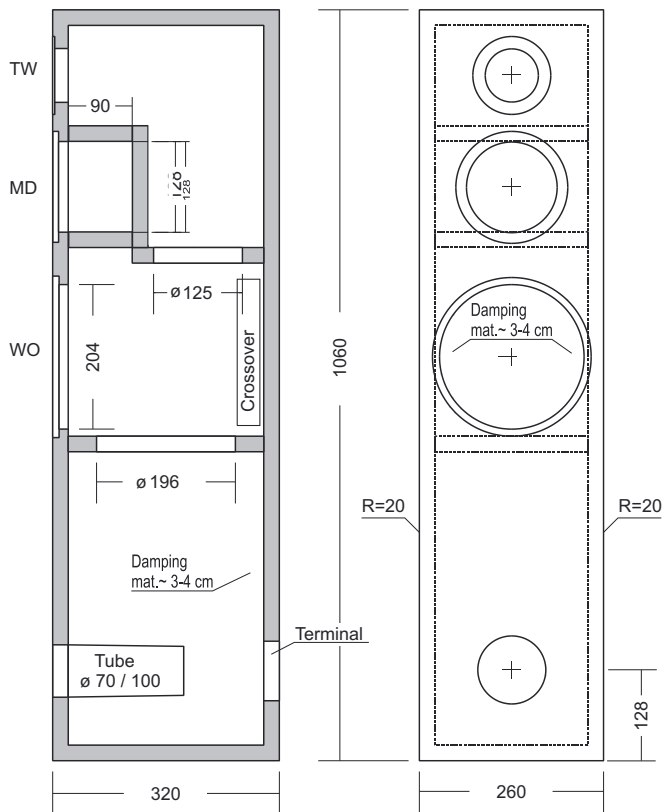
ETON 11.2 Kit



- 11" 3-Way Design
- Cabinets not available
- Fully assembled premium crossovers
- 11-581 woofer
- 5-880 midrange
- 19SD-1 tweeter
- 41.3" tall
- 13.9" deep
- 11.6" wide

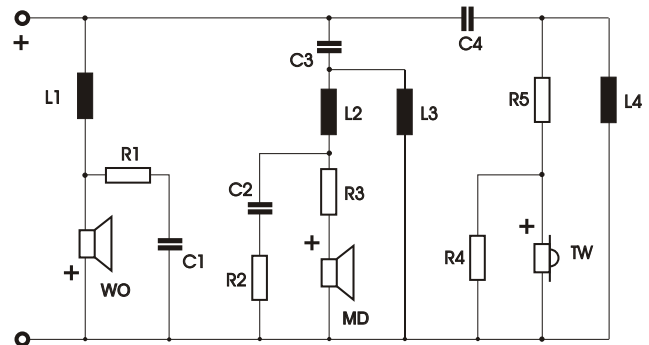


ETON - Model 11.2
SPL 1 Watt / 1 m - 0°, 30°



ETON 8.2 Kit

- 8" 3-Way Design
- Cabinets not available
- Fully assembled premium crossovers
- 8-800 woofer
- 5-880 midrange
- 19SD-1 tweeter
- 41.75" tall
- 12.6" deep
- 10.25" wide



L1 = 4,7 mH / Copper Wire CUL ø1,4 mm / air
 L2 = 0,68 mH / Copper Wire CUL ø1,0 mm / air
 L3 = 5,6 mH / Copper Wire CUL ø1,0 mm / air
 L4 = 0,33 mH / Copper Wire CUL ø 0,7 mm air

C1 = 150 MF / bipolar-capacitor / 50 Vac
 C2 = 6,8 MF / bipolar-Capacitor / 50 Vac
 C3 = 68 MF / bipolar-capacitor / 50 Vac
 C4 = 4,7 MF / foil-capacitor (MKP)

R1 = 1,5 Ohm / 4 W
 R2 = 5,6 Ohm / 4 W
 R3 = 0,75 Ohm / 10 W
 R4 = 15 Ohm / 4 W
 R5 = 2,7 Ohm / 4 W - metaloxid

WO = ETON 8-800/37 HEX / 8 Ohm
 MD = ETON 5-880/25 HEX / 8 Ohm
 TW = ETON 19 SD 1 / 8 Ohm

ER-4



- Air Motion Ribbon Tweeter
- New ribbon design
- High efficiency
- Suitable for center channel
- Flange 110 x 110mm
- Cut-out 90 x 90mm
- Depth 15mm

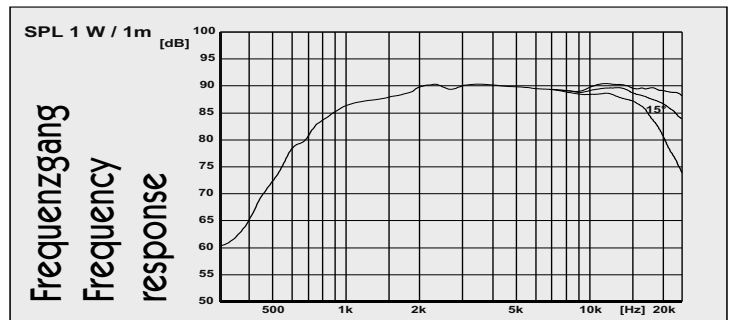
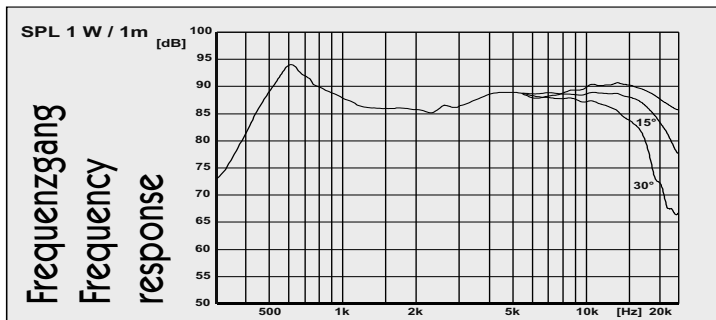
Znom	4	ohm	Sd	67	cm ²
Re	3.5	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	490	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	88	dB
Mms	0.66	g	Nom. Power DIN	60	W
Cms	-	mm/N	Net weight	-	kg

19 SD-1



- 3/4" Soft Dome Tweeter
- Response to 30 kHz
- Precoated textile dome
- Double magnet
- Vented polepiece
- Aluminum former and chassis
- Flange 110mm
- Cut-out 74mm
- Depth 43mm
- Great sounding tweeter

Znom	8	ohm	Sd	3.9	cm ²
Re	6.3	ohm	BL	-	N/A
Le@1kHz	0.20	mH	Vas	-	ltrs
fs	1100	Hz	Xmax	-	mm peak
Qms	-		VC Ø	19	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	89	dB
Mms	0.16	g	Nom. Power DIN	80	W
Cms	-	mm/N	Net weight	-	kg



25 SD-1



- 1" Soft Dome Tweeter
- Response to 30 kHz
- Pre-coated textile dome
- Double magnet
- Vented pole piece
- Aluminum former and chassis
- Flange 110mm
- Cut-out 74mm
- Depth 43mm

Znom	8	ohm
Re	6.8	ohm
Le@1kHz	0.28	mH
fs	1000	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	0.22	g
Cms	-	mm/N

Sd	6.5	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	25	mm
Sensitivity		
1W / 1m	90	dB
Nom. Power DIN	100	W
Net weight	-	kg

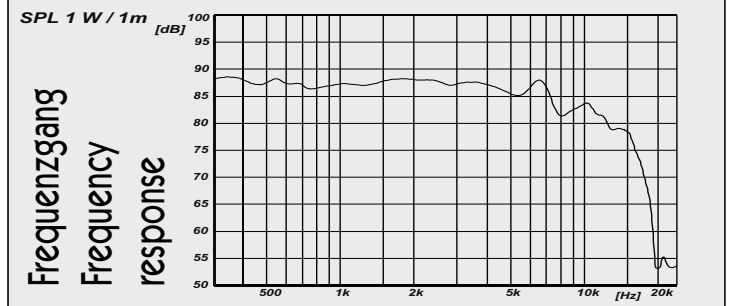
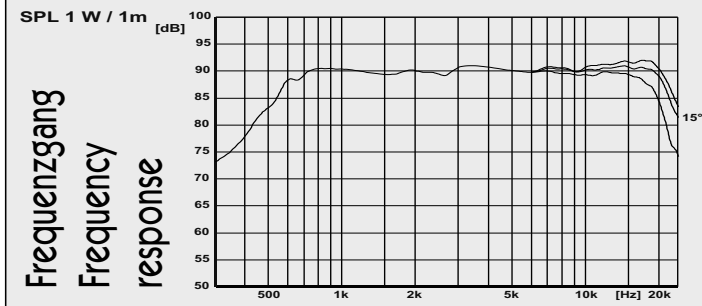
5-880/ 25HEX



- 5" HEXACONE Bass/ Midrange
- Excellent for small monitors
- Excellent as midrange in multiple-way system
- 3mm X-max
- Flange 156mm
- Cut-out 128mm
- Depth 70mm

Znom	8	ohm
Re	6.6	ohm
Le@1kHz	0.48	mH
fs	52	Hz
Qms	2.29	
Qes	0.46	
Qts	0.38	
Mms	9.6	g
Cms	-	mm/N

Sd	82	cm ²
BL	4.5	N/A
Vas	8.7	ltrs
Xmax	3	mm peak
VC Ø	25	mm
Sensitivity		
1W / 1m	87	dB
Nom. Power DIN	50	W
Net weight	-	kg



7-360 / 37HEX



- 7" HEXACONE Bass/ Midrange
- No coloration
- Excellent sound quality
- Rubber surround
- Aluminum diecast basket
- Flange 186mm
- Cut-out 160mm
- Depth 83mm

Znom	8	ohm
Re	5.6	ohm
Le@1kHz	0.64	mH
fs	43	Hz
Qms	2.74	
Qes	0.42	
Qts	0.37	
Mms	18	g
Cms	-	mm/N

Sd	137	cm ²
BL	7.8	N/A
Vas	20.0	ltrs
Xmax	3.0	mm peak
VC Ø	37	mm
Sensitivity		
1W / 1m	89	dB
Nom. Power DIN	100	W
Net weight	-	kg

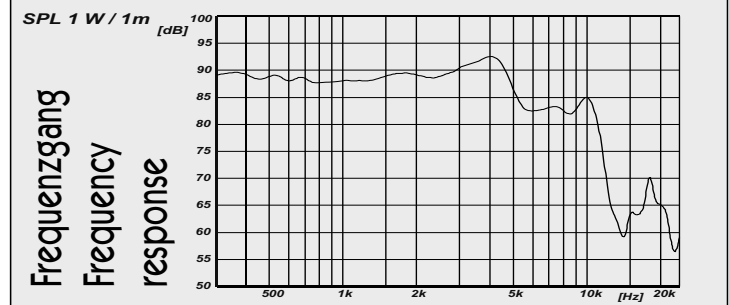
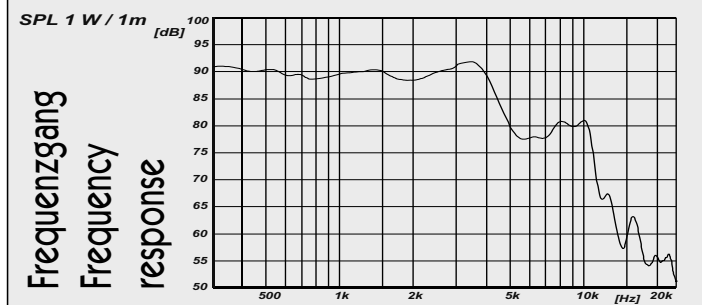
7-372/ 32LH



- 7" HEXACONE Woofer
- Constructed with new Heatpipe
- Long throw
- Rubber surround
- Aluminum diecast basket
- Flange 185mm
- Cut-out 151mm
- Depth 89mm

Znom	8	ohm
Re	7	ohm
Le@1kHz	0.71	mH
fs	32	Hz
Qms	3.78	
Qes	0.29	
Qts	0.27	
Mms	15.6	g
Cms	-	mm/N

Sd	137	cm ²
BL	6.7	N/A
Vas	44	ltrs
Xmax	5.25	mm peak
VC Ø	32	mm
Sensitivity		
1W / 1m	88	dB
Nom. Power DIN	80	W
Net weight	-	kg



8-472/ 32 LH



- 8" HEXACONE Woofer
- Constructed with new Heatpipe
- Long throw
- Rubber surround
- Aluminum diecast basket
- Flange 223mm
- Cut-out 186mm
- Depth 108mm

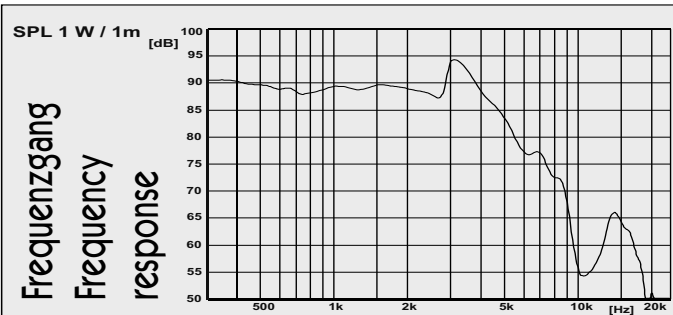
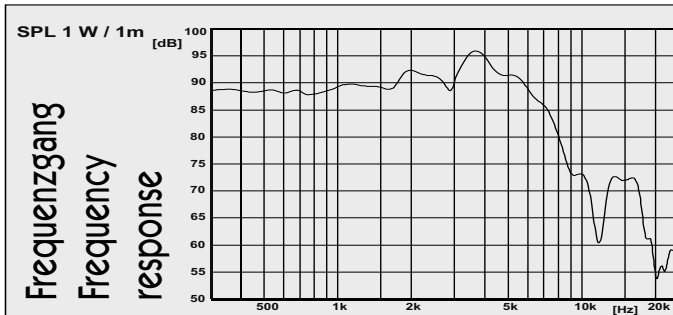
Znom	8	ohm	Sd	219	cm ²
Re	7	ohm	BL	6.7	N/A
Le@1kHz	-	mH	Vas	116	ltrs
fs	24	Hz	Xmax	5.25	mm peak
Qms	3.55		VC Ø	32	mm
Qes	0.32		Sensitivity		
Qts	0.29		1W / 1m	88	dB
Mms	27	g	Nom. Power DIN	90	W
Cms	-	mm/N	Net weight	-	kg

8-800/ 37HEX



- 8" HEXACONE Woofer
- Excellent sound characteristics
- Outstanding pulse response
- Aluminum diecast basket
- Flange 228mm
- Cut-out 202mm
- Depth 96mm

Znom	8	ohm	Sd	235	cm ²
Re	5.5	ohm	BL	9.3	N/A
Le@1kHz	0.69	mH	Vas	45.5	ltrs
fs	36	Hz	Xmax	3.0	mm peak
Qms	2.44		VC Ø	37	mm
Qes	0.46		Sensitivity		
Qts	0.39		1W / 1m	89	dB
Mms	31	g	Nom. Power DIN	120	W
Cms	-	mm/N	Net weight	-	kg



11-581/ 50HEX



- 11" HEXACONE Woofer
- Low frequency reproduction
- Excellent pulse response
- Aluminum diecast basket
- Flange 280mm
- Cut-out 244mm
- Depth 104mm

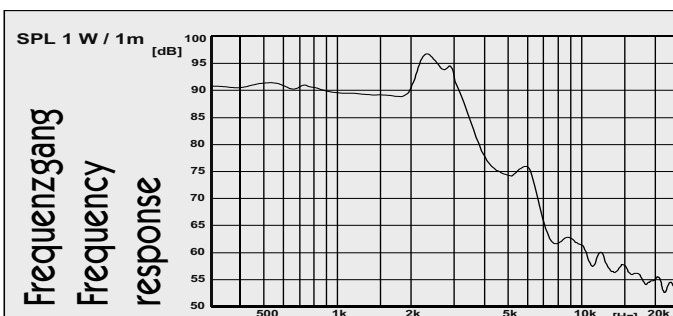
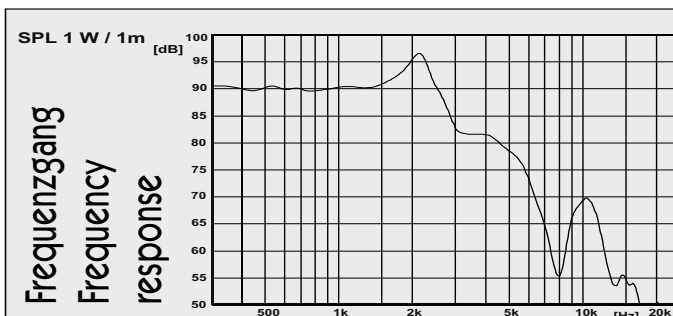
Znom	8	ohm	Sd	366	cm ²
Re	5.2	ohm	BL	12.4	N/A
Le@1kHz	0.69	mH	Vas	153	ltrs
fs	21	Hz	Xmax	5.0	mm peak
Qms	6.68		VC Ø	50	mm
Qes	0.31		Sensitivity		
Qts	0.30		1W / 1m	91	dB
Mms	67.3	g	Nom. Power DIN	150	W
Cms	-	mm/N	Net weight	-	kg

12-680/ 62HEX



- 12" HEXACONE Woofer
- Low frequency reproduction
- Excellent pulse response
- Aluminum diecast basket
- Flange 315mm
- Cut-out 291mm
- Depth 143mm

Znom	8	ohm	Sd	515	cm ²
Re	6.1	ohm	BL	15.6	TM
Le@1kHz	1.45	mH	Vas	150	ltrs
fs	26	Hz	Xmax	6	mm peak
Qms	3.52		VC Ø	62	mm
Qes	0.38		Sensitivity		
Qts	0.34		1W / 1m	91	dB
Mms	92	g	Nom. Power DIN	200	W
Cms	-	mm/N	Net weight	-	kg





Visit our web page for more specifications and cabinet designs.
www.madisound.com & www.fostex.jp

Model	Imp. W	Fs Hz	Qts	Vas Ltrs	Power Watts	dB	Frequency Range	Xmax mm P	Box Liter Sealed/Vented	F3 Hz	Price Each
Worlds First Pure Magnesium Dome Tweeter											
T250D pure magnesium dome	8				150	90	1.5kHz-50kHz				\$263.00
FT SERIES RIBBON TWEETER - Patented “Regulated Phase” Full surface drive diaphragm.											
FT7RP ribbon tweeter	8				80	93	3.5K-45kHz				\$86.60
FT SERIES DOME TWEETER											
FT207D dome tweeter, grill, Shielded	8				60	90	3K-40kHz				\$41.60
FT28D dome tweeter	8				40	90	2.5K-50kHz				\$59.00
FT48D dome tweeter	8				50	93	2K-30kHz				\$83.20
FT SERIES HORN TWEETER											
FT17H horn tweeter	8				30	98.5	5K-50kHz				\$37.10
FT96H horn super tweeter, alnico magnet	8				50	100	3K-33kHz				\$109.60
T SERIES HORN TWEETERS, ALNICO MAGNET											
T90A top mount, super tweeter, alnico magnet	8				50	106	7K-35kHz				\$146.45
T925A top mount, super tweeter, alnico magnet	8				50	108	6K-40kHz				\$273.25
T500AMK2 top mount, super tweeter, alnico	8				50	110	4K-45kHz				\$756.20
T900A top mount, super tweeter, alnico magnet	8				60	106	5K-38kHz				\$380.40
F SERIES ALNICO MAGNET- Suitable for folded horn enclosures. Mica composite coated cones. - Discontinued - Get them while they last!											
F120A 4.5” full range, alnico magnet	8	65	0.44	9.87	30	89	Fo-20kHz	1.5	6S/12V	105/58	\$227.15
F200A 8” full range, alnico magnet	8	30	0.32	98.96	80	90	Fo-20kHz	2.0	25S/38V	67/45	\$388.50
FX SERIES - Bio-cellulose cone made from kenaf with special mica composite coating - Discontinued - Get them while they last!											
FX120 5” full range	8	70	0.45	8.21	30	89	Fo-20kHz	2.0	5.4S/11V	111/60	\$102.60
FE SIGMA “E” SERIES FULL RANGE DRIVERS - Suitable for folded horn enclosures.											
FE108EΣ; 4” full range	8	77	0.30	5.7	24	90	Fo-23kHz	0.28	Horn	fs	\$88.15
FE168EΣ; 6.5” full range	8	51	0.26	23.7	80	94.5	Fo-21kHz	1.6	Horn	fs	\$144.20
FE208EΣ; 8” full range	8	42	0.18	60.1	120	97	Fo-14kHz	1.25	Horn	fs	\$181.70
FE- E SERIES - Suitable for folded horn enclosures, banana pulp cones.											
FE83E 3” full range	8	140	0.78	1.293	10	88	Fo-20kHz	0.4	2-4S	140-135	\$30.10
FE87E 3” full range - Shielded	8	140	0.92	1.03	10	89	Fo-30kHz	0.4	3-5S	125-120	\$31.20
FE103E 4” full range	8	80	0.35	6.89	15	89	Fo-22kHz	0.4	2.4S/3V	158/100	\$38.20
FE107E 4” full range - Shielded	8	80	0.38	5.95	15	90	Fo-22kHz	0.35	2.4S/4V	148/89	\$40.45
FE126E 4.5" full range	8	70	0.25	9.95	45	93	Fo-25kHz	0.35	1.5S/2V	200/165	\$42.75
FE127E 4.5” full range - Shielded	8	70	0.43	9.9	45	91	Fo-20kHz	0.35	6S/12V	114/62	\$45.00
FE166E 6.5” full range	8	50	0.21	45.11	65	94	Fo-22kHz	0.6	4.5S/5V	170/125	\$63.55
FE167E 6.5” full range - Shielded	8	50	0.33	30.2	65	95	Fo-22kHz	0.6	8.4S/18V	118/69	\$65.80
FE206E 8” full range	8	39	0.18	54.5	90	96	Fo-20kHz	1.5	45V	55	\$88.00
FE207E 8” full range - Shielded	8	39	0.26	56.25	90	95	Fo-20kHz	1.5	9S/17V	108/68	\$89.95
FF SERIES - Suitable for folded horn enclosures, using kenaf fiber cones.											
FF85K 3” full range, fiber cone, up/down surr.	8	122	0.47	1.07	10	88	Fo-33kHz	0.55	0.9S/2V	181/94	\$33.45
FF125K 4.5” full range, fiber cone	8	72	0.26	9.12	50	92	Fo-18kHz	0.15	1.5S/2V	195/135	\$41.60
FF165K 6.5” full range, fiber cone	8	40	0.20	48.2	70	94	Fo-17kHz	0.3	4.5S/7V	135/94	\$63.55
FF225K 8” full range, fiber cone	8	38	0.16	79.41	100	96	Fo-14kHz	0.3	Horn	fs	\$98.10
FW SERIES - Poly cones with shielded magnets.											
FW137 5.5” woofer, Paper cone - Shielded	8	55	0.5	10.2	75	87	Fo-8kHz	1.0	9S/10V	80/55	\$57.65
FW167 6.5” woofer, Paper cone - Shielded	8	40	0.36	25.22	100	89	Fo-8kHz	1.5	8S/12V	80/50	\$86.60
FW SERIES - Hybrid pulp cone woofers											
FW108N 4” wide range woofer	8	55	0.26	4.09	50	86	Fo-10kHz	1.9	0.7S/1V	148/93	\$113.00
FW168N 6.5” woofer	8	40	0.16	14.25	100	89	Fo-9kHz	0.5	4S/5V	200/80	\$145.35
FW208N 8” woofer	8	29	0.2	43.42	100	90	Fo-5kHz	6.5	4.1S/7V	99/68	\$166.15
FW305 12” woofer, 5” voice coil	8	25	0.28	254	125	95	Fo-3.5kHz	4.8	38S/74V	70/44	\$219.00
FW405N 15” woofer	8	27	0.45	392.5	150	92.5	Fo-2.5kHz	7.9	113S/170V	50/37	\$526.80
W400A-HR 16” woofer, alnico magnet	8	25	0.31	310	200	94	Fo-2.5kHz	5.5	90V/120V	45/40	\$2,672.70
FW800N 31.5” super woofer	8	18	0.69	3201	450	96	Fo-1.5kHz	2.3	Inf. Baffle	Fo	\$2,535.75
ATTENUATOR											
R80B L-pad	8				100		Attenuation 0-40dB				\$21.95
R82B L-pad	8				200		Attenuation 0-40dB				\$38.20
R100T transformer type	8				100		Attenuation 0-21dB in 1dB steps				\$177.65
Commercial Use Horn Tweeters for PA or Professional Sound Systems											
H200 Wooden Horn, 2” throat, 240Hz	26.57” Wide by 9.05” Tall by 15.07” Deep, Natural Maple, Driver not included										\$2268.40
H300 Wooden Horn, 1” throat, 328 Hz	22.95” Wide by 5.91” Tall be 13.22” Deep, Natural Maple, Driver not included										\$1317.60
H400 Wooden Horn, 1” throat, 455Hz	15.59” Wide by 4.72” Tall by 8.9” Deep; Natural Maple, Driver not included										\$488.85
D1405 Compression Horn Driver, alnico	8	800	3.5 pounds		60	104	850Hz - 20kHz	Titanium diaphragm		\$273.25	
D1400 Compression Horn Drivers, alnico	8	650	7.6 pounds		60	104	750Hz - 20kHz	Titanium diaphragm		\$469.20	

Fostex

Copper Foil/Tin Foil & PPTA Film Capacitor



The Fostex CS capacitors are made from separate layers of Copper Foil, Tin Foil and PPTA Film (poly p-phenylene terephthalamide). The CS caps have solid copper leads. These caps are very densely wrapped, more than twice the weight of similar value capacitors. Non-inductive. 120VAC / 240VDC

Unit	Size mm	Price	Unit	Size mm	Price
0.33	14 Ø x 37	\$24.45	1.50	18 Ø x 62	\$33.45
0.47	16 Ø x 37	\$24.45	2.20	21 Ø x 62	\$40.45
0.68	19 Ø x 37	\$25.55	3.30	25 Ø x 62	\$50.85
1.00	20 Ø x 37	\$28.95			

Fostex

Protective Grills



Metal mesh grills with plastic outer housing. Comes with mounting hardware. We don't have grills for the stamped frame 6" units.

Unit	Description	Price Pair
K308	FE83E, FE87E, FF85K	\$18.55
KG810	FE108EZ, FW108N	\$30.10
K312	FE126E, FE127E, FF125K	\$25.55
KG816	FE168EZ, FW168	\$50.85
KG820	FE208EZ, FW208N	\$68.05

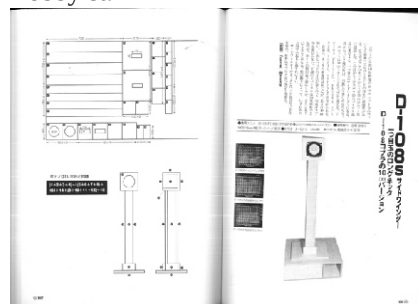
Fostex

Special Edition Kit Book

Fostex has compiled many speaker designs into this special edition kit book. The books are written in Japanese. They are filled with different speaker designs of all types. Even if you don't read Japanese, you can still construct the speakers from the drawings and crossover schematics. Most systems are using the Fostex speakers and most are full range, not requiring a crossover.

This is a must have for any full range speaker hobbyist.

Price: \$17.00



Fostex

HP Sound Reflectors



The HP Sound Reflectors are designed to be used in folded horn enclosures to reduce standing wave problems. When properly placed, the HP Sound Reflectors will reduce resonance peaks in the higher frequencies and cut down on frequency cancellations in the lower frequencies. Made from plastic.

Price per 5 pack: \$50.85

BK-16 Kit

Madisound is pleased to offer the BK-16 folded horn kit. We have chosen the **Fostex FF165K** 6.5" full range for use in the BK-16 cabinet. The **FF165K** has a **Kenaf** fiber cone, inverted foam surround and aluminum dust cap.

The **FF165K** is run full range with a frequency response out to 15kHz. The **T90A** super tweeter has been added to cover the upper frequencies. The **T90A** is a top-mount horn tweeter with an **Alnico magnet**. The tweeter is rolled off on the low end with a **Fostex Tin & Copper foil capacitor**. The system frequency response is 55Hz to 35kHz at 95dB.

The **BK-16** cabinet is made from **Baltic Birch** plywood and is sold flat, un-assembled, unsanded and unfinished. Cabinet dimensions are 9.75" W x 14.75" D x 29" T.

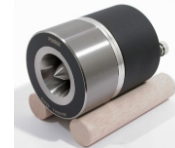
The Kit Includes:

- Pair of Cabinets - Flat
- Pair of FF165K - Full range
- Pair of T90A - horn tweeter
- Pair of DB-cup - Input cup
- Pair of Crossovers
- Nordost 2-Flat wire for tweeter
- Instructions

Kit Price: \$750.00 / pair

Parts without Cabinets: \$454 /pair

Cabinets only: \$148.00 each



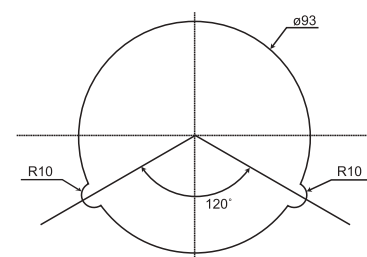
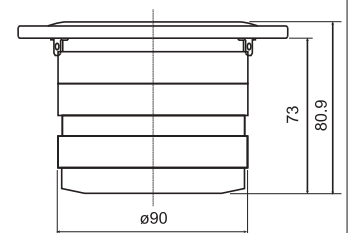
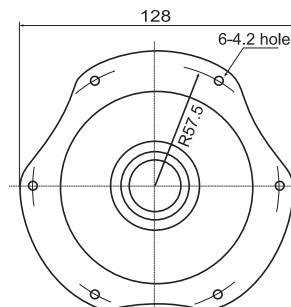
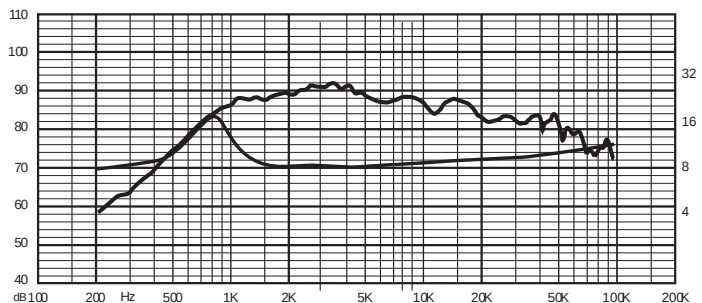
Fostex

T250D \$263.00

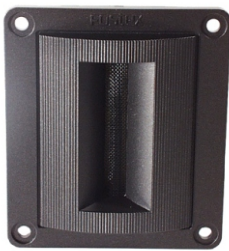


***Pure
Magnesium
Dome***

- World's First Pure Magnesium Dome Tweeter
- High power magnetic circuit by using a copper plated yoke and top plate, along with a three 90mm ferrite magnets.
- Silver/Copper alloy voice coil wire and internal wiring
- Up down roll tangential surround is used to realize less anti-resonance and superior amplitude characteristic.
- High density resin frame designed to minimize the distance between the tweeter and woofer.
- Frequency range 1.5kHz to 50kHz
- S.P.L. 90dB (1W/1m)
- 8 ohm Impedance



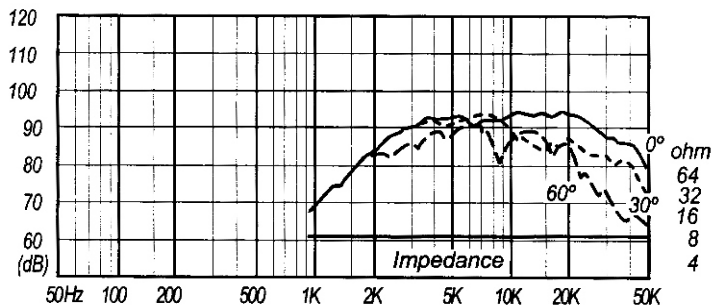
FT7RP \$86.60



Fostex

- RIBBON TWEETER
- 8 ohm impedance
- Frequency response from 3kHz to 45kHz
- 93dB sensitivity at 1w/1m (3.3ft)
- Flange 76mm x 86mm
- Cut-out 50mm
- Depth 32mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	3000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	93	dB
Mms	-	g	Nom. Power	80	W
Cms	-	mm/N	Net weight	155	g



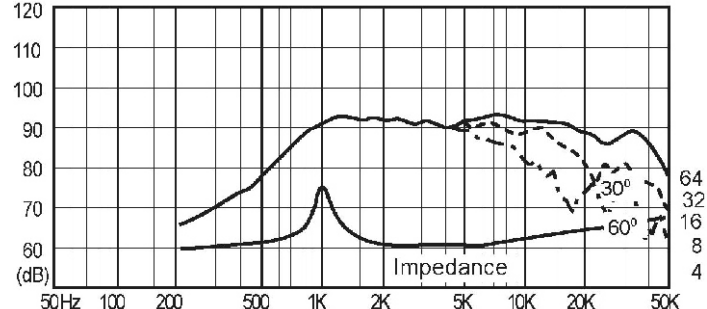
FT207D \$41.60



Fostex

- DOME TWEETER
- 20mm textile dome
- Shielded magnet
- Frequency response from 3kHz to 40kHz
- 90dB sensitivity at 1w/1m (3.3ft)
- Flange 95mm round
- Cut-out 70 mm
- Depth 34.4mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	-	g	Nom. Power	60	W
Cms	-	mm/N	Net weight	390	g



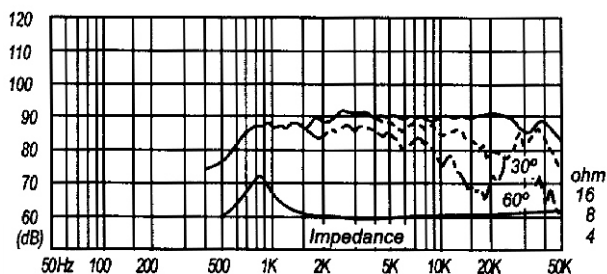
FT28D \$59.00



Fostex

- DOME TWEETER
- 8 ohm impedance
- 1kHz to 50kHz frequency response
- 90dB sensitivity at 1w/1m (3.3ft)
- Flange 90mm x 78mm
- Cut-out 70mm
- Depth 32.8mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	-	g	Nom. Power	40	W
Cms	-	mm/N	Net weight	528	g



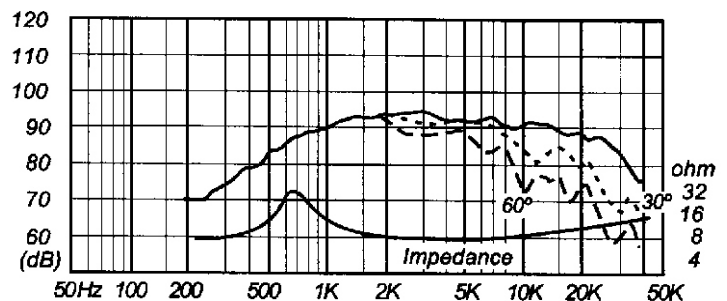
FT48D \$83.20



Fostex

- DOME TWEETER
- 8 ohm impedance
- 33mm Dome
- Frequency response from 800kHz to 30kHz
- 93dB sensitivity
- Felt front
- Flange 128mm
- Cut-out 90mm
- Depth 38.7mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	800	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	93	dB
Mms	-	g	Nom. Power	50	W
Cms	-	mm/N	Net weight	978	g



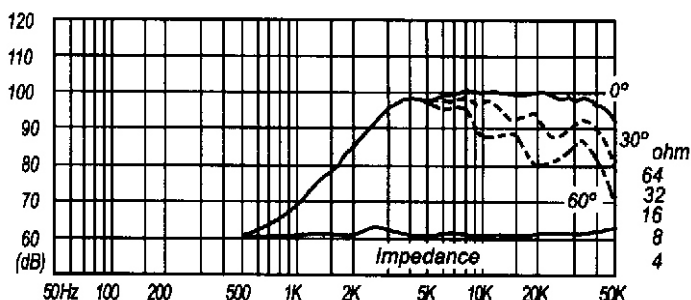
FT17H \$37.10



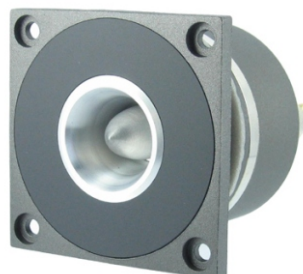
Fostex

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 50kHz
- 98.5dB sensitivity at 1w/1m (3.3 ft)
- Flange 87mm
- Cut-out 63mm
- Depth 38.5mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	5000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	98.5	dB
Mms	-	g	Nom. Power	30	W
Cms	-	mm/N	Net weight	340	g



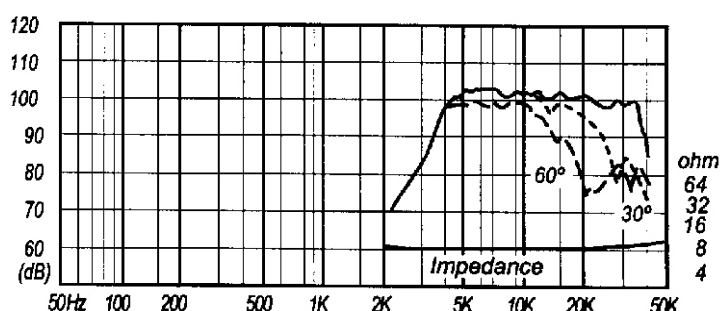
FT96H \$109.60



Fostex

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response 4kHz to 33kHz
- 100dB sensitivity 1w/1m
- Alnico magnet
- Flange 68mm square
- Cut-out 60mm
- Depth 60mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	4000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	100	dB
Mms	-	g	Nom. Power	50	W
Cms	-	mm/N	Net weight	600	g



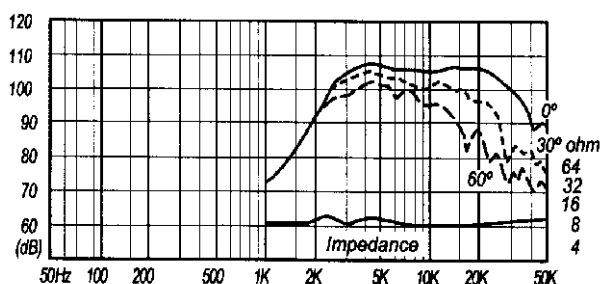
T90A \$146.45



Fostex

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 35kHz
- 106dB sensitivity at 1w/1m (3.3ft)
- TOP MOUNT
- Flange 60 mm
- Depth 74.1/ 87.8 mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	5000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	106	dB
Mms	-	g	Nom. Power	50	W
Cms	-	mm/N	Net weight	800	g



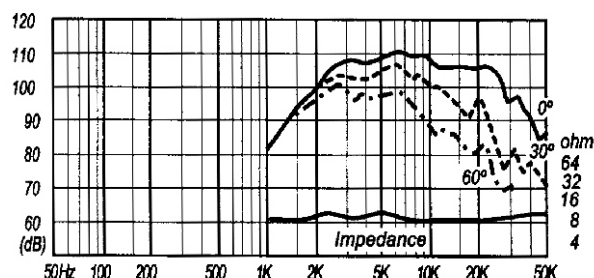
T925A \$273.25



Fostex

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 40kHz
- 108dB sensitivity at 1w/1m (3.3ft)
- TOP MOUNT
- Flange 82 mm
- Depth 91/ 108mm

Znom	8	ohm	Sd	-	cm ²
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	5000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	108	dB
Mms	-	g	Nom. Power	50	W
Cms	-	mm/N	Net weight	2.0	Kg



T500AMKII \$756.20

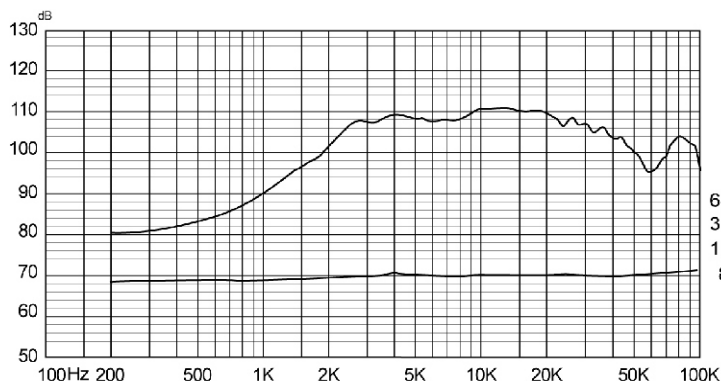


Fostex

Znom	8	ohm
fs	4000	Hz
Sensitivity		
1W / 1m	110	dB

- Horn Super Tweeter
- Pure Magnesium diaphragm
- Silver/Copper VC wire
- Frequency response from 4kHz to 45kHz
- 110dB sensitivity
- Copper terminals
- Solid Brass horn body
- Double alnico magnets

Nom. Power	50	W
Net weight	5.0	Kg
Recommended x-over frequency	more than 7kHz	(12dB/Oct.)



T900A \$380.40

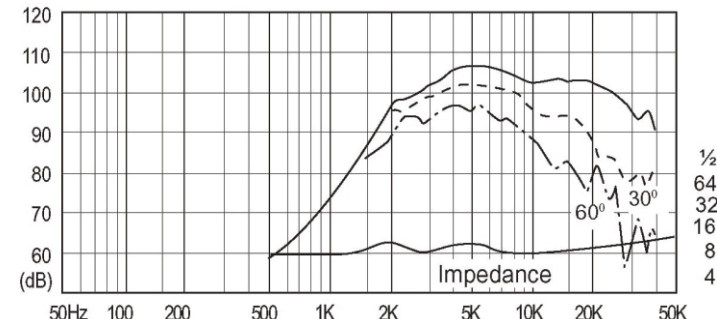


Fostex

Znom	8	ohm
Re		ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 38kHz
- 106 dB sensitivity 1w/1m
- TOP MOUNT
- Flange 82mm
- Depth 81.8mm/ 98.3mm

Sd	-	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	106	dB
Nom. Power	60	W
Net weight	3.55	K g



F120A \$227.15

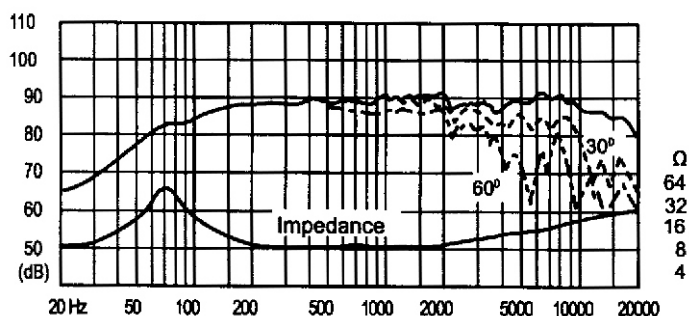


Fostex

Znom	8	ohm
Re	7	ohm
Le@1kHz	-	mH
fs	65	Hz
Qms	3.1	
Qes	.51	
Qts	.44	
Mms	4.7	g
Cms	-	mm/N

- 5" FULL RANGE
- Alnico Magnet
- 8 ohm impedance
- Frequency response from 65Hz to 20kHz
- 89dB sensitivity
- Flange 137 x 123mm HEXAGONAL
- Cut-out 103mm
- Depth 88mm

Sd	-	cm ²
BL	-	N/A
Vas	9.87	ltrs
Xmax	1.5	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	89	dB
Nom. Power	30	W
Net weight	2.0	Kg



F200A \$388.50

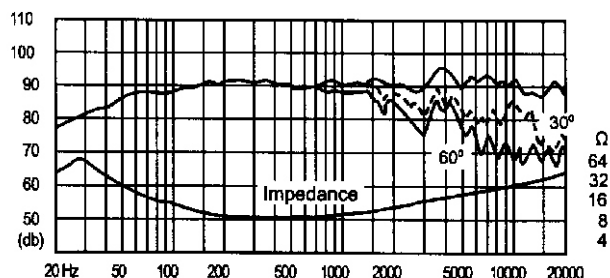


Fostex

Znom	8	ohm
Re	7.3	ohm
Le@1kHz	-	mH
fs	30	Hz
Qms	2.63	
Qes	0.36	
Qts	0.32	
Mms	18.6	g
Cms	-	mm/N

- 8" FULL RANGE
- Alnico magnet
- 8 ohm impedance
- Frequency response from 30Hz to 20kHz
- 90 dB sensitivity
- Flange 213 X 194mm HEXAGONAL
- Cut-out 182 mm
- Depth 123.7 mm

Sd	-	cm ²
BL	-	N/A
Vas	98.96	ltrs
Xmax	2.0	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	90	dB
Nom. Power	80	W
Net weight	4.4	kg



FX120 \$102.60

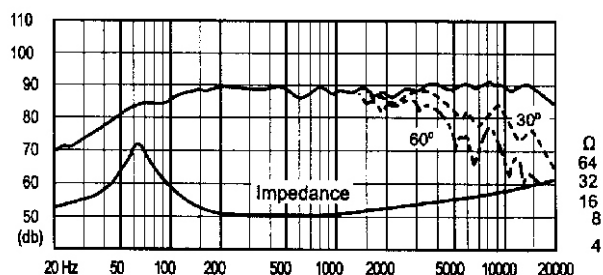


Fostex

- 5" FULL RANGE
- KENAF paper/ fiber composite cone
- 89db sensitivity
- Frequency response from 70 Hz to 20kHz
- Flange 137 x 123mm HEXAGONAL
- Cut-out 103 mm
- Depth 54.5 mm

Znom	8	ohm
Re	7.3	ohm
Le@1kHz	-	mH
fs	70	Hz
Qms	8.4	
Qes	0.47	
Qts	0.45	
Mms	5.3	g
Cms	-	mm/N

Sd	-	cm ²
BL	-	N/A
Vas	8.21	ltrs
Xmax	2.0	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	89	dB
Nom. Power	30	W
Net weight	1.32	kg



FE108EΣ \$88.15

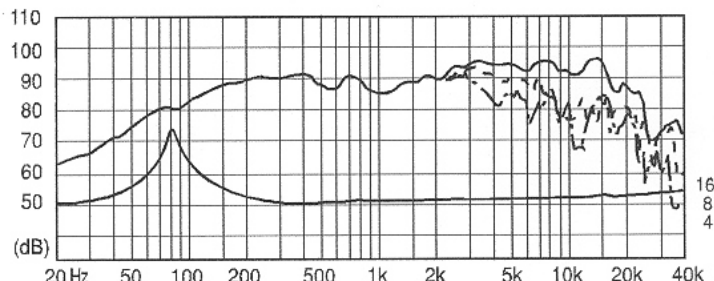


Fostex

- 4" FULL RANGE
- HP shell diaphragm
- Banana pulp cone
- UDR surround
- Frequency response from 77Hz to 23kHz
- 90dB sensitivity
- Flange 128 mm
- Cutout 98mm
- Depth 65mm

Znom	8	ohm
Re	6.8	ohm
Le@1kHz	.038	mH
fs	77	Hz
Qms	7.79	
Qes	0.32	
Qts	0.3	
Mms	2.7	g
Cms	1.59	mm/N

Sd	0.005	m ²
BL	5.2	N/A
Vas	5.7	ltrs
Xmax	0.28	mm peak
VC Ø	20	mm
Sensitivity		
1W / 1m	90	dB
Nom. Power	24	W
Net weight	1200	g



FE168EΣ \$144.20

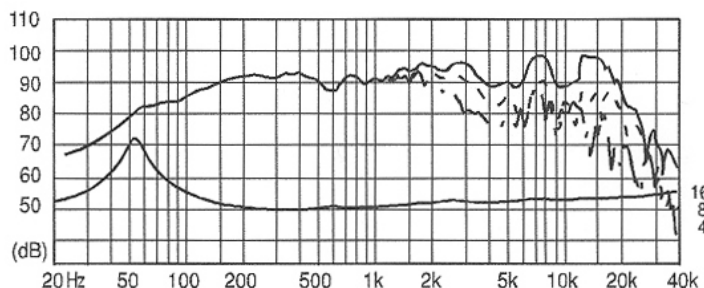


Fostex

- 6.5" FULL RANGE
- HP shell diaphragm
- Banana pulp cone
- UDR surround
- Frequency response from 51Hz to 21kHz
- 94.5dB sensitivity
- Flange 190 mm
- Cutout 146mm
- Depth 88mm

Znom	8	ohm
Re	6.8	ohm
Le@1kHz	.056	mH
fs	51	Hz
Qms	5.328	
Qes	0.27	
Qts	0.26	
Mms	8.7	g
Cms	1.278	mm/N

Sd	0.0113	m ²
BL	8	N/A
Vas	23.7	ltrs
Xmax	1.6	mm peak
VC Ø	30	mm
Sensitivity		
1W / 1m	94.5	dB
Nom. Power	80	W
Net weight	2600	g



FE208EΣ \$181.70

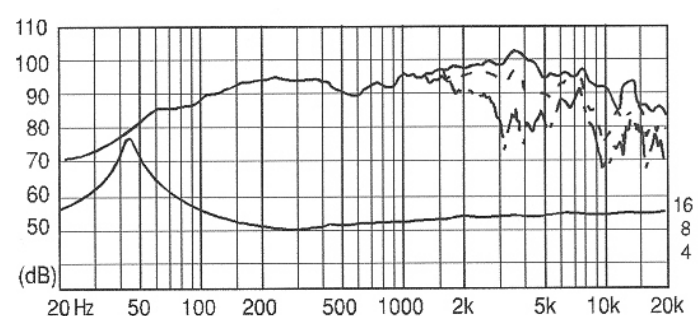


Fostex

- 8" FULL RANGE
- HP shell diaphragm
- Banana pulp cone
- UDR surround
- Frequency response from 42Hz to 14kHz
- 97dB sensitivity
- Flange 230 mm
- Cutout 182mm
- Depth 93.5mm

Znom	8	ohm
Re	6.4	ohm
Le@1kHz	0.051	mH
fs	42	Hz
Qms	6.19	
Qes	0.19	
Qts	0.18	
Mms	13.3	g
Cms	1.069	mm/N

Sd	0.0201	m ²
BL	10.8	N/A
Vas	60.1	ltrs
Xmax	1.25	mm peak
VC Ø	35	mm
Sensitivity		
1W / 1m	97	dB
Nom. Power	120	W
Net weight	4800	g



FE83E \$30.10



Fostex

Znom	8	ohm	Sd	.0028	m ²
Re	7.8	ohm	BL	2.98	N/A
Le@1kHz	-	mH	Vas	1.29	ltrs
fs	127	Hz	Xmax	0.4	mm peak
Qms	4.00		VC Ø	16	mm
Qes	0.98		Sensitivity		
Qts	0.79		1W / 1m	88	dB
Mms	1.39	g	Nom. Power	10	W
Cms	0.0012	mm/N	Net weight	360	g

- 3" FULL RANGE
- ES banana pulp cone
- New center cap
- Frequency response from 127 Hz to 20kHz
- 88dB sensitivity
- Flange 83mm
- Cut-out 71mm
- Depth 40.2mm

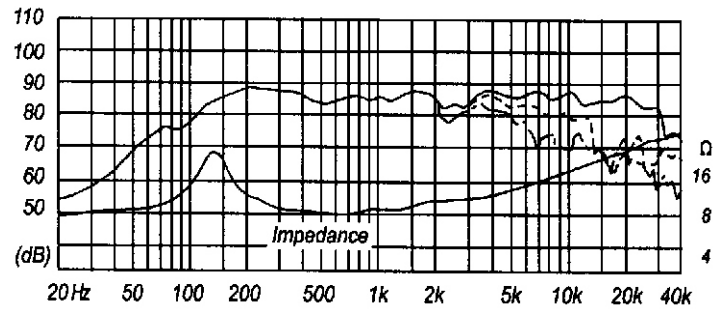
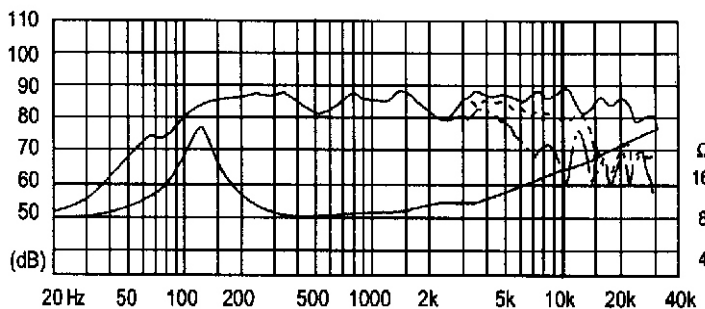
FE87E \$31.20



Fostex

Znom	8	ohm	Sd	.0028	m ²
Re	7.7	ohm	BL	2.81	N/A
Le@1kHz	-	mH	Vas	1.03	ltrs
fs	140	Hz	Xmax	0.4	mm peak
Qms	3.77		VC Ø	16	mm
Qes	1.2		Sensitivity		
Qts	0.92		1W / 1m	89	dB
Mms	1.4	g	Nom. Power	15	W
Cms	0.0009	mm/N	Net weight	288	g

- 3" SHIELDED FULL RANGE
- ES banana pulp cone
- New center cap
- Frequency response from 140 Hz to 30kHz
- 89dB sensitivity
- Flange 83mm
- Cut-out 71mm
- Depth 41.2mm



FE103E \$38.20



Fostex

Znom	8	ohm	Sd	0.005	m ²
Re	7.45	ohm	BL	4.42	N/A
Le@1kHz	-	mH	Vas	6.90	ltrs
fs	79.5	Hz	Xmax	0.35	mm peak
Qms	2.87		VC Ø	20	mm
Qes	0.40		Sensitivity		
Qts	0.36		1W / 1m	89	dB
Mms	2.1	g	Nom. Power	15	W
Cms	0.0019	mm/N	Net weight	630	g

- 4" FULL RANGE
- ES banana pulp cone
- New center cap
- 8 ohm impedance
- Frequency response 79.5 Hz to 22kHz
- 89dB sensitivity
- Flange 107mm
- Cut-out 92mm
- Depth 43.6mm

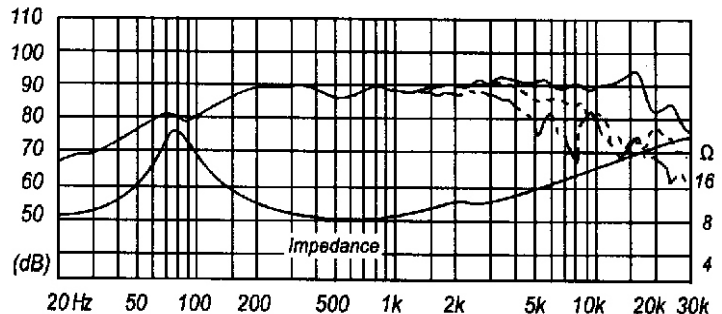
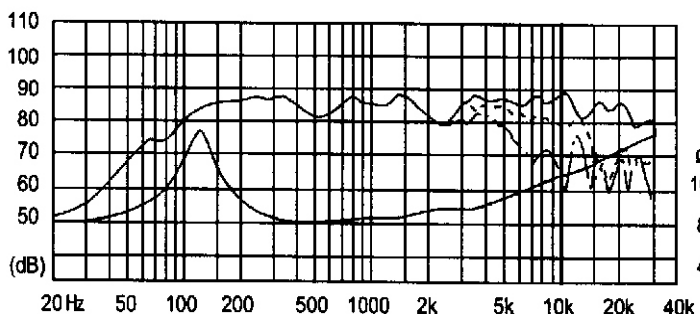
FE107E \$40.45



Fostex

Znom	8	ohm	Sd	0.005	cm ²
Re	7.6	ohm	BL	4.7	N/A
Le@1kHz	-	mH	Vas	5.95	ltrs
fs	80	Hz	Xmax	0.35	mm peak
Qms	2.56		VC Ø	20	mm
Qes	0.45		Sensitivity		
Qts	0.38		1W / 1m	90	dB
Mms	2.6	g	Nom. Power	15	W
Cms	0.0017	mm/N	Net weight	550	g

- 4" SHIELDED FULL RANGE
- ES banana pulp cone
- 8 ohm impedance
- 90dB sensitivity
- Frequency response to 22kHz
- Flange 107mm
- Cut-out 92mm
- Depth 54.7mm



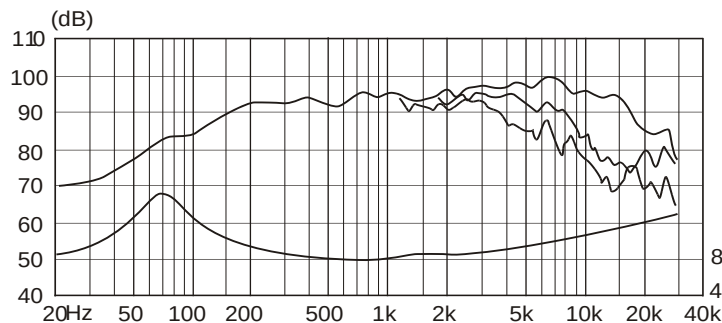
FE126E \$42.75



Fostex

- 4.5" FULL RANGE
- ES banana pulp cone
- New center cap
- 93 db sensitivity
- Frequency response from 70 Hz to 25kHz
- Flange 117mm
- Cut-out 103mm
- Depth 61mm

Znom	8	ohm	Sd	0.0065	m ²
Re	6.9	ohm	BL	5.92	N/A
Le@1kHz	0.0065	mH	Vas	9.95	ltrs
fs	70	Hz	Xmax	0.35	mm peak
Qms	2.96		VC Ø	20	mm
Qes	0.27		Sensitivity		
Qts	0.25		1W / 1m	93	dB
Mms	2.9	g	Nom. Power	45	W
Cms	0.0017	mm/N	Net weight	1010	g



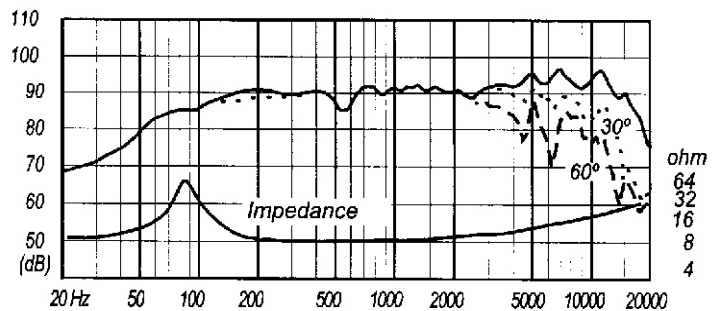
FE127E \$45.00



Fostex

- 4.5" **SHIELDED** FULL RANGE
- ES banana pulp cone
- New center cap
- 91 db sensitivity
- Frequency response from 70.4 Hz to 20kHz
- Flange 117mm
- Cut-out 103mm
- Depth 64.7mm

Znom	8	ohm	Sd	0.0067	m ²
Re	6.5	ohm	BL	4.14	N/A
Le@1kHz	-	mH	Vas	9.9	ltrs
fs	70.4	Hz	Xmax	0.67	mm peak
Qms	3.33		VC Ø	20	mm
Qes	0.50		Sensitivity		
Qts	0.43		1W / 1m	91	dB
Mms	6.85	g	Nom. Power	45	W
Cms	0.0016	mm/N	Net weight	574	g



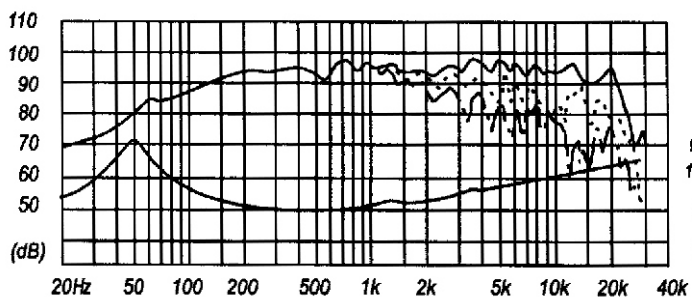
FE166E \$63.55



Fostex

- 6" FULL RANGE
- ES banana pulp cone
- New center cap
- 8 ohm impedance
- 94 db sensitivity
- Frequency response from 50 Hz to 22kHz
- Flange 166mm
- Cut-out 144mm
- Depth 73.2mm

Znom	8	ohm	Sd	0.0132	m ²
Re	7.1	ohm	BL	8.33	N/A
Le@1kHz	-	mH	Vas	45.11	ltrs
fs	50	Hz	Xmax	0.6	mm peak
Qms	3.89		VC Ø	25	mm
Qes	0.22		Sensitivity		
Qts	0.21		1W / 1m	94	dB
Mms	6.85	g	Nom. Power	65	W
Cms	0.0018	mm/N	Net weight	1600	g



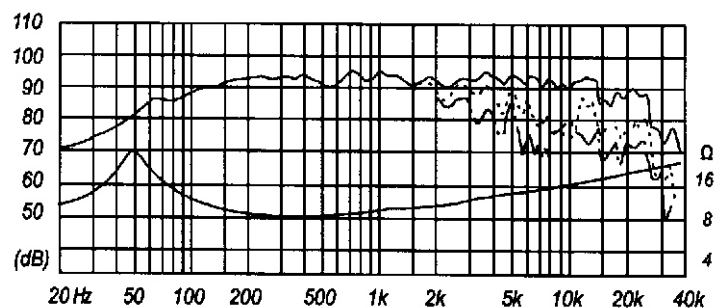
FE167E \$65.80



Fostex

- 6" **SHIELDED** FULL RANGE
- ES banana pulp cone
- New center cap
- 8 ohm impedance
- Frequency response from 51.5 Hz to 22 kHz
- Flange 166 mm
- Cut-out 144 mm
- Depth 85 mm

Znom	8	ohm	Sd	0.0132	m ²
Re	7.1	ohm	BL	6.82	N/A
Le@1kHz	-	mH	Vas	35.94	ltrs
fs	51.5	Hz	Xmax	0.6	mm peak
Qms	4.63		VC Ø	25	mm
Qes	0.33		Sensitivity		
Qts	0.31		1W / 1m	94	dB
Mms	6.68	g	Nom. Power	65	W
Cms	0.0015	mm/N	Net weight	1320	g



FE206E \$88.00



Fostex

Znom	8	ohm	Sd	0.0206	m ²
Re	6.69	ohm	BL	11.8	N/A
Le@1kHz	-	mH	Vas	54.53	ltrs
fs	39	Hz	Xmax	1.5	mm peak
Qms	3.73		VC Ø	35	mm
Qes	0.18		Sensitivity		
Qts	0.18		1W / 1m	96	dB
Mms	15.35	g	Nom. Power	90	W
Cms	0.0009	mm/N	Net weight	3350	g

- 8" FULL RANGE
- ES banana pulp cone
- New center cap
- Large 110mm magnet
- Frequency response from 39 Hz to 20kHz
- Flange 208 mm
- Cut-out 182 mm
- Depth 87.5 mm

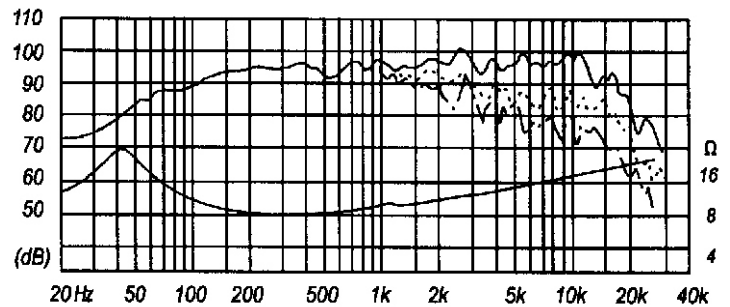
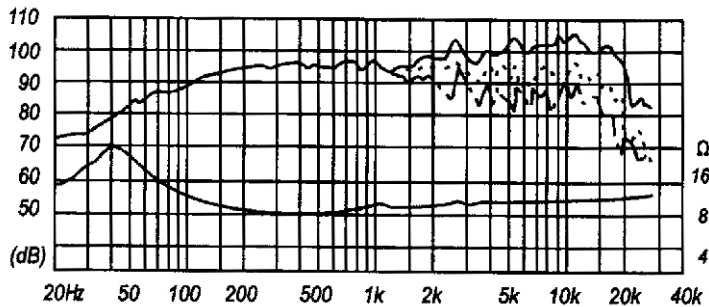
FE207E \$89.95



Fostex

Znom	8	ohm	Sd	0.0206	m ²
Re	6.73	ohm	BL	9.41	N/A
Le@1kHz	-	mH	Vas	56.25	ltrs
fs	39	Hz	Xmax	1.5	mm peak
Qms	3.86		VC Ø	35	mm
Qes	.28		Sensitivity		
Qts	.26		1W / 1m	95	dB
Mms	15.02	g	Nom. Power	90	W
Cms	0.0009	mm/N	Net weight	2650	g

- 8" SHIELDED FULL RANGE
- ES banana pulp cone
- New center cap
- 8 ohm impedance
- Frequency response from 39kHz to 20kHz
- Flange 208 mm
- Cut-out 182 mm
- Depth 104 mm



FF85K \$33.45



Fostex

Znom	8	ohm	Sd	0.0028	m ²
Re	7.08	ohm	BL	4.33	N/A
Le@1kHz	-	mH	Vas	1.07	ltrs
fs	122	Hz	Xmax	0.55	mm peak
Qms	5.54		VC Ø	20	mm
Qes	0.52		Sensitivity		
Qts	0.47		1W / 1m	88	dB
Mms	1.8	g	Nom. Power	10	W
Cms	0.001	mm/N	Net weight	565	g

- 3" FULL RANGE
- KENAF paper/ fiber composite cone
- UDR surround
- Aluminum center cap
- Frequency response from 122 Hz to 32 kHz
- Flange 83 mm
- Cut-out 71 mm
- Depth 49 mm

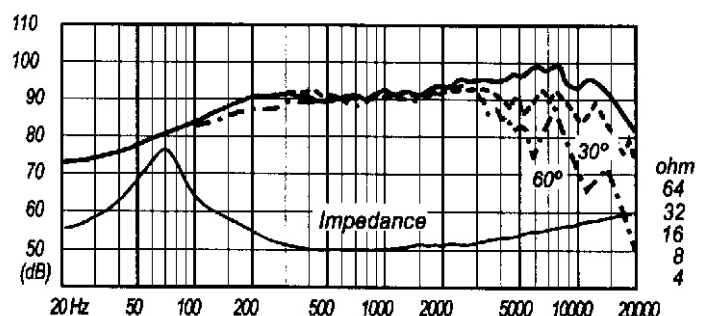
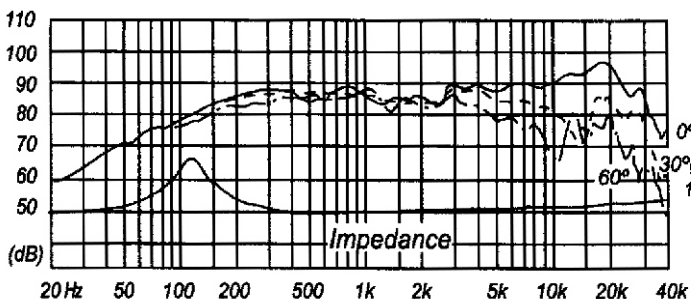
FF125K \$41.60



Fostex

Znom	8	ohm	Sd	-	cm ²
Re	7.2	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	9.12	ltrs
fs	72	Hz	Xmax	0.15	mm peak
Qms	9.04		VC Ø	-	mm
Qes	0.27		Sensitivity		
Qts	0.26		1W / 1m	92	dB
Mms	4.0	g	Nom. Power	50	W
Cms	-	mm/N	Net weight	930	g

- 4.5" FULL RANGE
- KENAF paper/ fiber composite cone
- 92db sensitivity
- Frequency response from 72 Hz to 18 kHz
- Flange 117 mm
- Cut-out 103 mm
- Depth 60.1 mm



FF165K \$63.55



Fostex

- 6.5" FULL RANGE
- KENAF paper/ fiber composite cone
- Foam surround
- 94db sensitivity
- Frequency response from 40 Hz to 17 kHz
- Flange 166 mm
- Cut-out 144 mm
- Depth 73.7 mm

Znom	8	ohm
Re	7.4	ohm
Le@1kHz	-	mH
fs	40	Hz
Qms	10.92	
Qes	0.21	
Qts	0.20	
Mms	7.8	g
Cms	-	mm/N

Sd	-	cm ²
BL	-	N/A
Vas	48.2	ltrs
Xmax	0.3	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	94	dB
Nom. Power	70	W
Net weight	1.6	kg

FF225K \$98.10

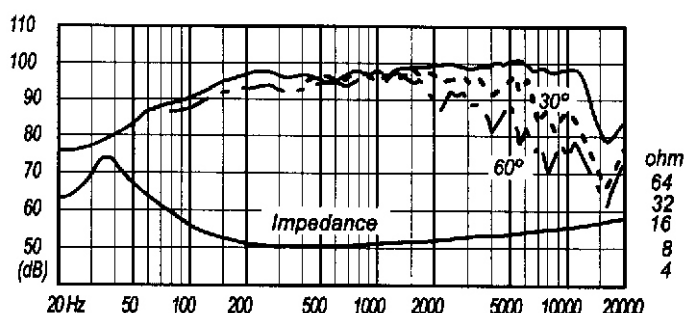
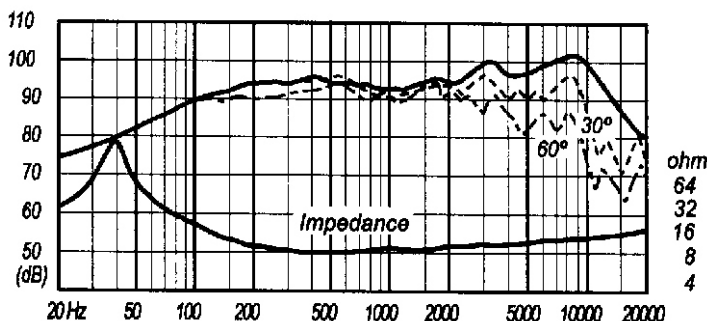


Fostex

- 8" FULL RANGE
- KENAF paper/ fiber composite cone
- Foam surround
- 96 db sensitivity
- Frequency response from 38 Hz to 14 kHz
- Flange 208 mm
- Cut-out 182 mm
- Depth 93 mm

Znom	8	ohm
Re	6.3	ohm
Le@1kHz	-	mH
fs	38	Hz
Qms	3.06	
Qes	0.17	
Qts	0.16	
Mms	17.3	g
Cms	-	mm/N

Sd	-	cm ²
BL	-	N/A
Vas	79.41	ltrs
Xmax	0.3	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	96	dB
Nom. Power	100	W
Net weight	3.72	kg



FW137 \$57.65



Fostex

- 5.5" SHIELDED WOOFER
- Kenaf-Cellgaia Paper Cone
- 87 db sensitivity
- Frequency response from 55 Hz to 8 kHz
- Flange 155 mm
- Cut-out 121 mm
- Depth 77 mm

Znom	8	ohm
Re	7.4	ohm
Le@1kHz	0.07	mH
fs	55	Hz
Qms	3.58	
Qes	0.57	
Qts	0.50	
Mms	11.7	g
Cms	0.0008	mm/N

Sd	0.0095	m ²
BL	7.06	N/A
Vas	10.2	ltrs
Xmax	1	mm peak
VC Ø	30.4	mm
Sensitivity		
1W / 1m	87	dB
Nom. Power	75	W
Net weight	1.49	kg

FW167 \$86.60

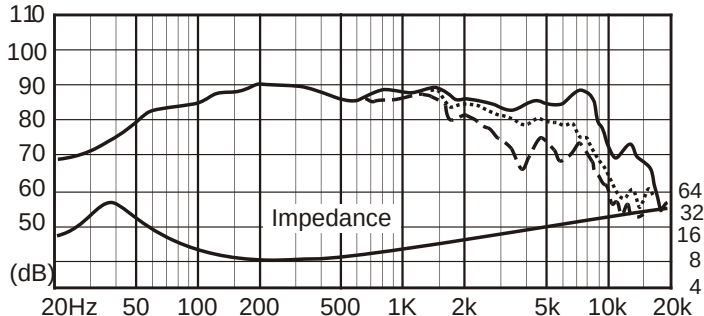
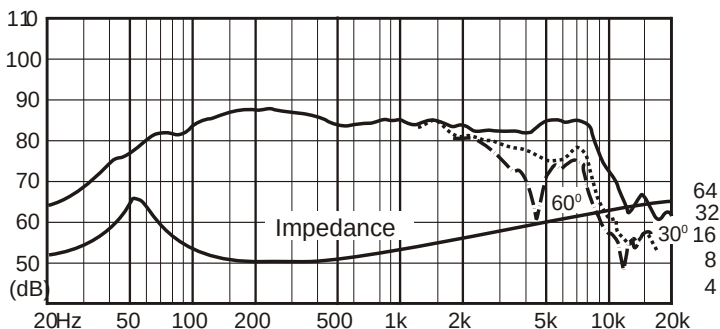


Fostex

- 6.5" SHIELDED WOOFER
- Kenaf-Cellgaia Paper cone
- 89 db sensitivity
- Frequency response from 40 Hz to 6 kHz
- Flange 186 mm
- Cut-out 143 mm
- Depth 96.2 mm

Znom	8	ohm
Re	7.1	ohm
Le@1kHz	.071	mH
fs	40	Hz
Qms	2.6	
Qes	0.40	
Qts	0.36	
Mms	14.9	g
Cms	0.0011	mm/N

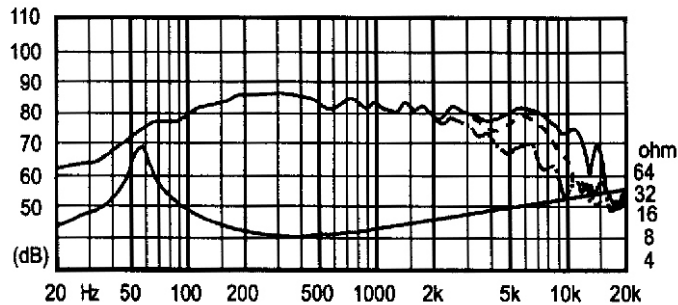
Sd	0.0128	cm ²
BL	8.2	N/A
Vas	25.22	ltrs
Xmax	1.5	mm peak
VC Ø	35.5	mm
Sensitivity		
1W / 1m	89	dB
Nom. Power	100	W
Net weight	2.66	kg



FW108N \$113.00
Fostex

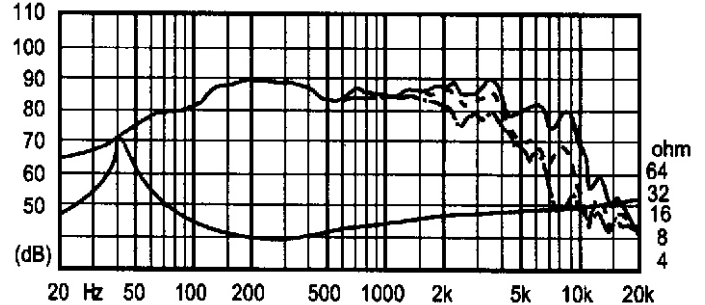
- 4" WIDE RANGE
- Hybrid pulp cone
- 8 ohm impedance
- 86 db sensitivity
- 1.6" Voice Coil
- Frequency response from 55 Hz to 10 kHz
- Flange 128 mm
- Cut-out 100 mm
- Depth 72 mm

Znom	8	ohm	Sd	-	cm ²
Re	6.3	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	4.09	ltrs
fs	55	Hz	Xmax	1.9	mm peak
Qms	8.8		VC Ø	40	mm
Qes	0.27		Sensitivity		
Qts	0.26		1W / 1m	86	dB
Mms	6.9	g	Nom. Power	50	W
Cms	-	mm/N	Net weight	1.69	kg

**FW168N \$145.35**
Fostex

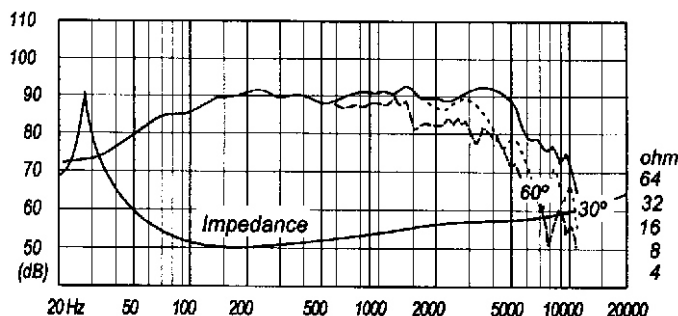
- 6.5" WIDE RANGE
- Hybrid pulp cone
- 8 ohm impedance
- 89 db sensitivity
- 2.5" Voice Coil
- Frequency response from 40 Hz to 9 kHz
- Flange 180 mm
- Cut-out 148 mm
- Depth 87 mm

Znom	8	ohm	Sd	-	cm ²
Re	5.9	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	14.25	ltrs
fs	40	Hz	Xmax	0.5	mm peak
Qms	15.67		VC Ø	65	mm
Qes	0.17		Sensitivity		
Qts	0.16		1W / 1m	89	dB
Mms	28	g	Nom. Power	100	W
Cms	-	mm/N	Net weight	2.9	kg

**FW208N \$166.15**
Fostex

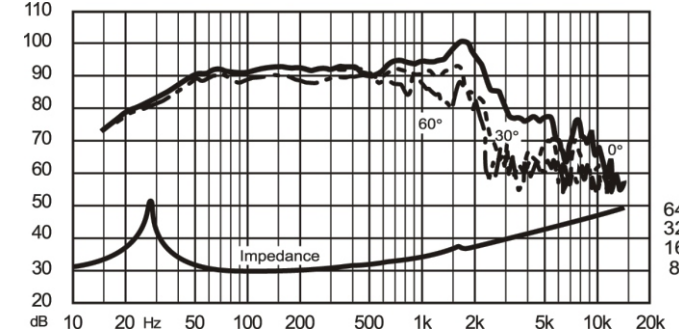
- 8" WOOFER
- Hybrid pulp cone
- 8 ohm impedance
- 90db sensitivity
- 3" Voice Coil
- Frequency response from 29 Hz to 5 kHz
- Flange 230 mm
- Cut-out 182 mm
- Depth 94.8 mm

Znom	8	ohm	Sd	-	cm ²
Re	5.8	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	43.4	ltrs
fs	29	Hz	Xmax	6.5	mm peak
Qms	13.2		VC Ø	81	mm
Qes	0.21		Sensitivity		
Qts	0.20		1W / 1m	90	dB
Mms	40	g	Nom. Power	100	W
Cms	-	mm/N	Net weight	4.62	kg

**FW405N \$526.80**
Fostex

- 15" WOOFER
- Hybrid pulp cone, fiber + carbon, tree pulp
- 94.7db (2.83V@1M)
- 3" Voice Coil
- Frequency response from 27 Hz to 2.5 kHz
- Flange 395 mm 15.5"
- Cut-out 350 mm 13.75"
- Depth 162 mm 6.4"

Znom	8	ohm	Sd	0.089m ²	
Re	6.89	ohm	BL	15.7	N/A
Le@1kHz	0.64	mH	Vas	392.5	ltrs
fs	27	Hz	Xmax	7.9	mm peak
Qms	6.76		VC Ø	80	mm
Qes	0.48		Sensitivity		
Qts	0.45		1W / 1m	92.5	dB
Mms	100.8	g	Nom. Power	150	W
Cms	0.344	mm/N	Net weight	10.0	kg (22 lb)

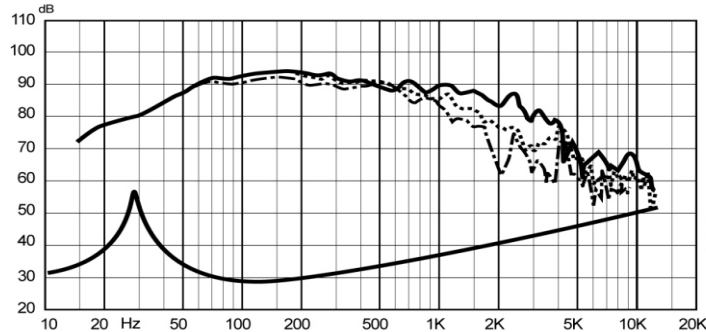


W400A-HR \$2,672.70



Fostex

Znom	8	ohm	Sd	820	cm ²
Re	6	ohm	BL	19.5	N/A
Le@1kHz	2.64	mH	Vas	310	ltrs
fs	25	Hz	Xmax	5.5	mm peak
Qms	8.2		VC Ø	100	mm
Qes	0.32		Sensitivity		
Qts	0.31		1W / 1m	94	dB
Mms	130	g	Nom. Power	200	W
Cms	0.33	mm/N	Net weight	47.18	lb



R80B \$21.10



- 8 ohm Attenuator
- Attenuation 0 to 40 db or more
- Input 100 watts
- Flange 50 x 50 mm SQUARE
- Depth 71 mm

R82B \$36.75



- 8 ohm Attenuator
- Attenuation 0 to 40 db or more
- Input 200 watts
- Flange 50 x 50 mm SQUARE
- Depth 89 mm

R100T \$170.90



- Transformer type Attenuator
- Attenuation 0 to 21 db (1 db step)
- Input 100 watts
- Flange 88mm x 90mm
- Depth 170mm

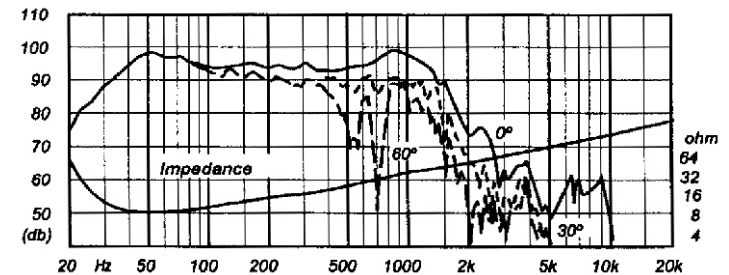
Fostex

FW800N \$2,535.75



Fostex

Znom	8	ohm	Sd	-	cm ²
Re	6.8	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	3201.1	ltrs
fs	18	Hz	Xmax	2.3	mm peak
Qms	8.5		VC Ø		mm
Qes	0.76		Sensitivity		
Qts	0.69		1W / 1m	96	dB
Mms	440	g	Nom. Power	450	W
Cms	-	mm/N	Net weight	45.65	lb



Fostex

H400 Wooden Horn and **D1405** Horn Driver. Cutoff frequency of H400 is 455Hz, 1" throat.

Dimensions: 15.59" W x 4.72" T x 8.9" D - Natural Maple

H400 Horn is \$488.85 each (driver not included).

D1405 Driver \$273.25 each, D1400 Driver \$469.00 each.

Cabinet plans available on our website.

www.madisound.com/fostex.html

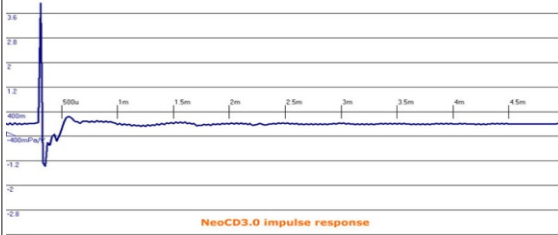
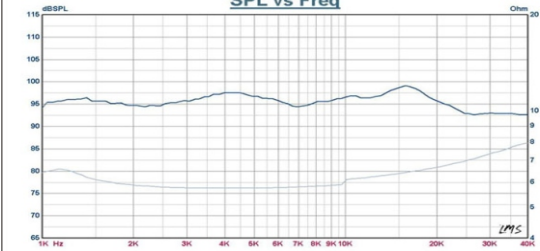


Fountek NeoCd3.0M 3" Ribbon

Ribbon Material	Aluminum Alloy
Ribbon Mass	18 mg
Ribbon dimension	8mm x 60mm x 0.02mm
Impedance	7 ohm
Frequency Response	1,400Hz ~ 40,000Hz
Sensitivity	95dB/2.83V/m
Power Handling	17W nominal 40W max
Suggested x-over frequency	2500Hz @ 12dB
Weight	560g / 1.28lb
Price Each	\$89.00

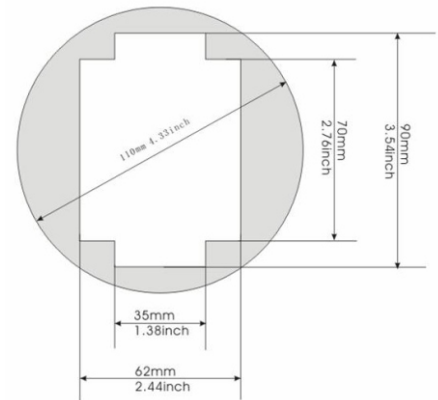


SPL vs Freq



Features:

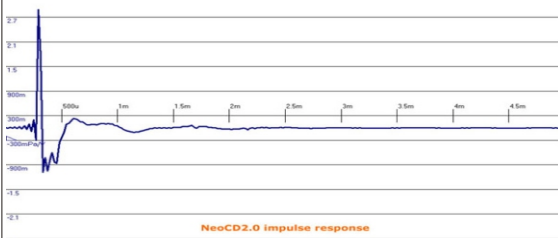
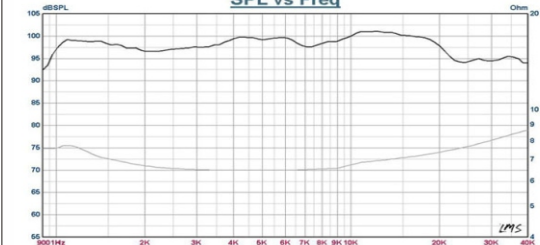
- Black metal face plate
- Aluminum Alloy ribbon.
- Super strong Neodymium magnet
- Frequency range from 1400Hz to over 40kHz
- Extremely thin foil (0.02mm) for a high degree of signal fidelity and broad frequency response.
- Low distortion and high power handling
- Flat impedance response



Fountek NeoCd2.0M 5" Ribbon

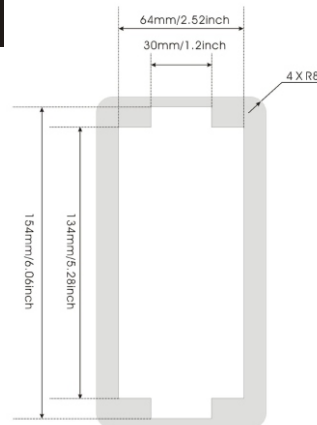
Ribbon Material	Aluminum Alloy
Ribbon Mass	34 mg
Ribbon dimension	8mm x 120mm x 0.02mm
Impedance	7 ohm
Frequency Response	1,200Hz ~ 40,000Hz
Sensitivity	98dB/2.83V/m
Power Handling	20W nominal 50W max
Suggested x-over frequency	2000Hz @ 12dB
Weight	1065g / 2.35lb
Price Each	\$126.00

SPL vs Freq



Features:

- Black metal face plate
- Aluminum Alloy ribbon.
- Super strong Neodymium magnet for high efficiency.
- Built-in impedance conversion transformer.
- Frequency range from 1200Hz to over 40kHz
- Extremely thin foil (0.02mm) for a high degree of signal fidelity and broad frequency response.
- Low distortion and high power handling.
- Flat impedance response



Warning:

The ribbon tweeters should always be used with a passive crossover!

Do not test without a capacitor.

Tweeters are repairable at Madisound.

Also available, the larger **Pro Sound** version **NeoPro5i**, see our web site for details. \$305 ea



Hi-Vi Research Loudspeakers

For complete specifications: www.swanspeaker.com



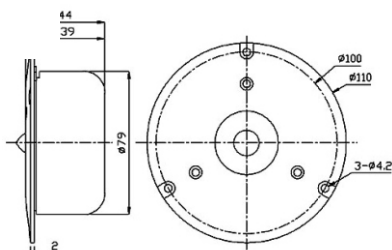
Model (width x height)	Imp. W	Fs Hz	Qts	Vas Ltrs	Power Watts	dB	Frequency Range	VC Ø mm	Rec. Box Liters S / V	F3 Hz S / V	Price Each
Isodynamic Ribbon Tweeters											
RT1L 110mm circular ribbon	4	-	-	-	5	88	3.5k-40kHz		Neodymium magnet		\$31.00
RT1.3 88mm x 102mm flange	6	-	-	-	10	92	2.5k-30kHz		Neodymium magnet		\$41.00
RT1C-A 120mm round flange	5	-	-	-	15	94	4.5k-23kHz		Neodymium magnet		\$36.65
RT2II 145mm x 166mm rectangular flange	8	-	-	-	30	93	2k-27kHz		Neodymium magnet		\$86.65
RT2C-A 176mm round flange	8	-	-	-	30	93	3k-40kHz		Neodymium magnet		\$76.65
RT2E-A 105mm x 176mm ovalish flange	8	-	-	-	30	93	3k-40kHz		Neodymium magnet		\$76.65
RT2-Pro 220mm x 166mm rectangular flange	8	-	-	-	30	99	2.3k-35kHz		Neodymium magnet		\$149.60
RT8II 160mm x 220mm rectangular flange	8	-	-	-	30	95	1.7k-27kHz		Neodymium magnet		\$73.30
1" Fabric Dome Tweeters											
T20 52mm round flange, 20mm dome	4/8	2000	-	-	15	91/89	4k-20kHz	19	Small textile dome		\$5.00
SD1.1-A 116mm round flange, shielded	5	1200	-	-	15	91	3k-20kHz	25	Shielded magnet		\$12.50
Q1R 116mm round flange, shielded	6	1000	-	-	15	89	2.5k-20kHz	28	Shielded magnet		\$14.80
TN28 46mm Ø x 99mm Top Mount	6	1300	-	-	15	90	3k-25kHz	28	Top mount, shielded		\$13.15
TN25 54.5mm square with chamber	5	1500	-	-	15	90	3k-21kHz	25	Small flange, shielded		\$8.25
K1 116mm round aluminum flange, shielded	5	800	-	-	15	92	2.5k-25kHz	25	Aluminum face plate		\$8.55
2" Fabric Dome Midranges											
DMN-A 116mm round flange with chamber	5	800	-	-	60	93	1kHz-10kHz	50	117mm deep bullet ch.		\$26.30
DMB-A 145mm round flange, shielded	5	700	-	-	80	92	800Hz-10kHz	50	43mm D., rough dome		\$23.70
Small Full Range Speakers, Shielded, Metal Alloy Cones											
B1S 36mm square flange, copper color cone	8	220	0.56	0.04	1	79	250Hz-20kHz	19	6 cubic inch	270	\$5.00
A2S 53mm square flange, shielded, silver color	8	153	1.27	0.2	10	78	150Hz-15kHz	25	0.5 - 2	150	\$10.30
B2S 53mm square flange, shielded, copper color	8	152	1.2	0.2	10	78	150Hz-15kHz	25	0.5 - 2	150	\$10.95
U2S 53mm square flange, shielded, aluminum	8	290	1.12	0.1	5	83	245Hz-20kHz	25	0.5 - ~	245	\$10.30
U2.5P-6 70mm square flange, shielded, alum.	6	110	0.33	0.8	15	86	150Hz-20kHz	25	0.4	270	\$13.35
B3S 78mm square flange, shielded, copper color	8	80	0.93	1.6	15	80	80Hz-8kHz	20	0.5 - 2	80	\$10.65
B3N 90mm round flange, shielded, copper color	8	77	0.86	1.7	15	81	80Hz-8kHz	20	0.5 - 2	80	\$10.65
"D" Series Mineral Filled Polypropylene Cones, Large Diameter Voice Coils											
D6.8 174mm round flange, cast frame	8	42	0.40	13.5	60	85	40Hz-4kHz	76	7 / 12	74 / 42	\$63.00
D8.8 243mm round flange, cast frame	8	30	0.38	46.8	150	87	30Hz-2kHz	100	18 / 31	57 / 34	\$95.30
D8.8+ 243mm round flange, cast frame	8	31	0.40	34.9	150	86	28Hz - 2kHz	100	- / 28	- / 33	\$123.00
D10.8 299mm round flange, cast frame	8	20	0.40	211.1	150	87	35Hz-500Hz	100	90 / -	35 / -	\$120.00
"F" Series Kevlar/Paper Cones, Cast Frames, Shielded Magnets, Yellow Cones											
F5 154mm round flange, phase plug	8	52	0.33	7.3	35	86	65Hz-8kHz	25	2 / 4	111 / 63	\$36.65
F6 197mm round flange, phase plug	8	45	0.35	16.4	45	88	50Hz-5kHz	25	5 / 11	92 / 51	\$46.30
F8 217mm round flange	8	36	0.39	36.9	60	87	38Hz-3kHz	35	17 / 30	65 / 38	\$66.30
"M" Series Magnesium/Aluminum Alloy Cones, Copper Color Cones											
M4N 116.5mm round flange, shielded magnet	8	69	1.08	4.3	30	82	69-4kHz	20	4 / -	73 / -	\$17.65
M5N 144mm round flange, shielded magnet	8	47	0.35	11.3	35	87	53Hz-5kHz	25	3.5 / 6	95 / 59	\$25.30
M5a 140mm round flange, shielded magnet	8	48	0.34	11.2	35	87	65Hz-3kHz	25	3 / 5	100 / 63	\$32.65
M6a 174mm round flange, shielded magnet	8	46	0.38	13.6	45	88	50Hz-3kHz	25	9 / 14	86 / 53	\$36.00
M8a 215mm round flange	8	30	0.43	50.3	80	87	30Hz-2kHz	35	29 / 40	49 / 32	\$53.30
M12 313mm round flange	4	27	0.33	81.4	150	93	30Hz-1.5kHz	50	24 / 53	57 / 32	\$133.60
Polymer Cone speakers											
W5 153mm round flange, shielded, phase plug	8	57	0.49	8.6	35	86	50Hz-7kHz	25	8 / 9	82 / 52	\$37.30
W6 179mm round flange, shielded	8	40	0.52	25.1	45	86	55Hz-3kHz	25	15 / -	55 / -	\$46.60
Autosound Speakers											
CF140 4" coaxial speaker with grill	4	-	-	-	30	90	85Hz-23kHz	-	-	-	\$30.65
CF150 5" coaxial speaker with grill	4	-	-	-	40	91	60Hz-23kHz	-	-	-	\$31.25
CF160 6" coaxial speaker with grill	4	-	-	-	50	92	45Hz-23kHz	-	-	-	\$34.50
SP10 246mm round flange, subwoofer	4	34	0.57	17.1	500	84	40Hz-500Hz	76	32	40	\$168.50
In-ceiling and In-wall Speakers											
VX6-SC 6" in-ceiling, <i>two channel</i> - Each	8/8	Polypropylene cone			80	86	45Hz-20kHz	For in-ceiling mounting			\$145.00
VX5-LCR <i>Center channel</i> in-wall - Each	8	Polypropylene cone			80	87	55Hz-22kHz	For in-wall mounting			\$145.00
VR5-LCR <i>Center channel</i> in-wall - Each	8	Nomex fiber cone			80	85	50Hz-20kHz	For in-wall mounting			\$169.00

RT1L Circular Ribbon



- 110mm Round flange
- Frequency range 3.5k-40kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat impedance curve

Znom	4 ohm
Nom. Power	5 Watts
Sensitivity	
2.83V / 1m	88 dB
Magnet System	Neodymium
Weight	0.8 kg

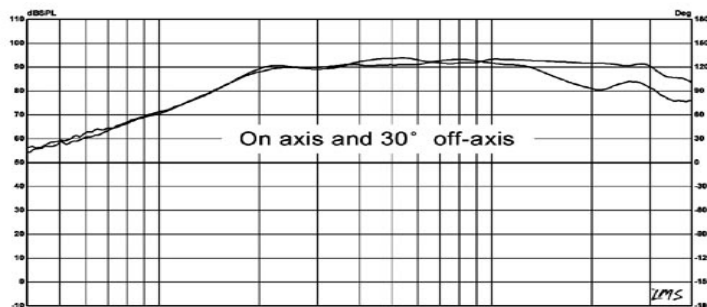
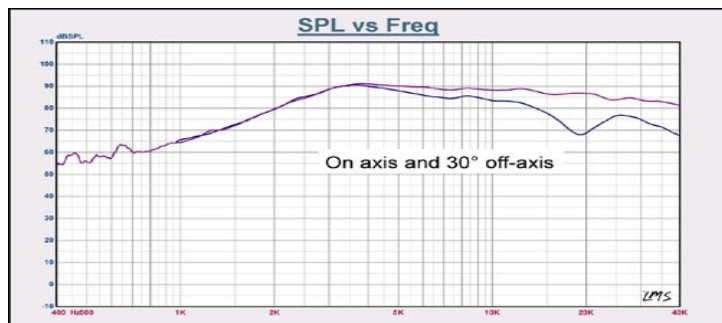
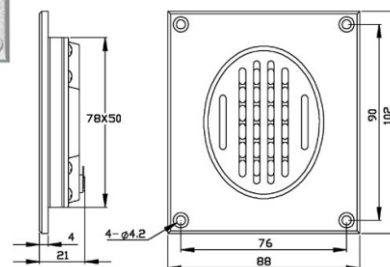


RT1.3 Ribbon



- 88 x 102mm flange
- Frequency range 2.5k-30kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat Impedance curve

Znom	6 ohm
Nom. Power	10 Watts
Sensitivity	
2.83V / 1m	92 dB
Magnet System	Neodymium
Weight	0.2 kg

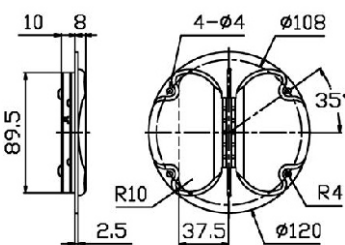


RT1C-A Ribbon



- 120mm Round flange
- Frequency range 4.5k-23kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat impedance curve

Znom	5 ohm
Nom. Power	15 Watts
Sensitivity	
2.83V / 1m	94 dB
Magnet System	Neodymium
Weight	0.2 kg

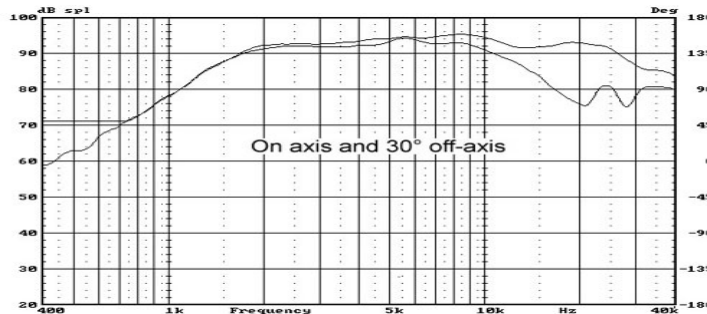
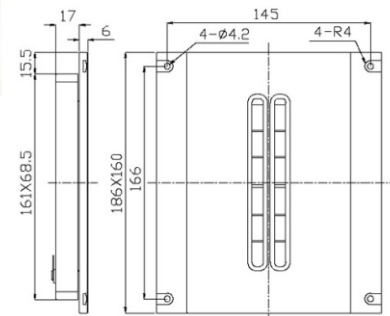


RT2II Ribbon



- 160 x 186mm flange
- Frequency range 2k-27kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat Impedance curve

Znom	8 ohm
Nom. Power	30 Watts
Sensitivity	
2.83V / 1m	93 dB
Magnet System	Neodymium
Weight	0.87 kg

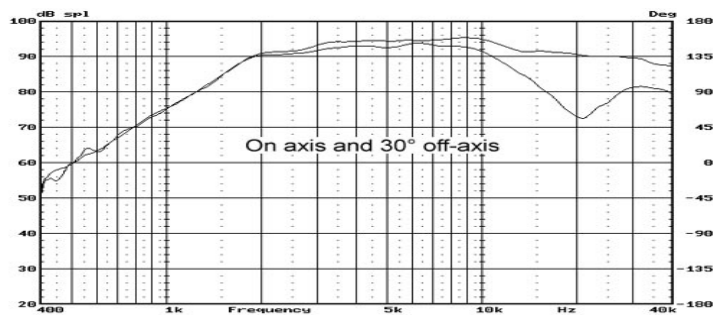
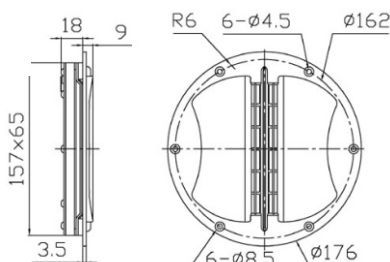


RT2C-A Ribbon



- 176mm Round flange
- Frequency range 3k-40kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat Impedance curve

Znom 8 ohm
Nom. Power 30 Watts
Sensitivity 2.83V / 1m 93 dB
Magnet System Neodymium

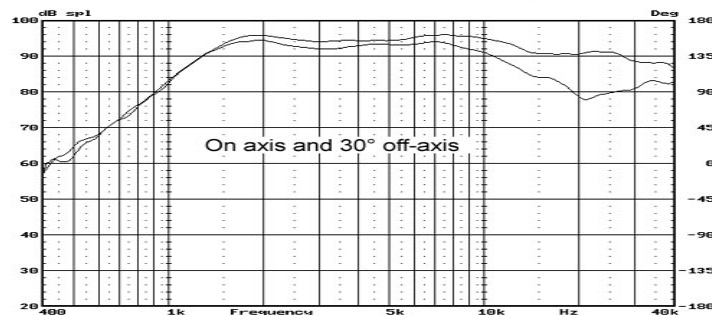
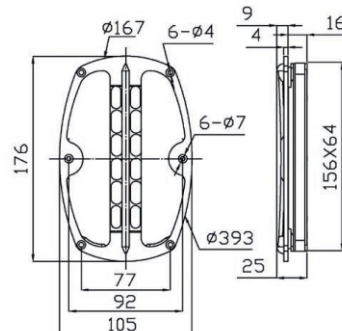


RT2E-A Ribbon



- 105mm x 176mm flange
- Frequency range 3k-40kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat Impedance curve

Znom 8 ohm
Nom. Power 30 Watts
Sensitivity 2.83V / 1m 93 dB
Magnet System Neodymium

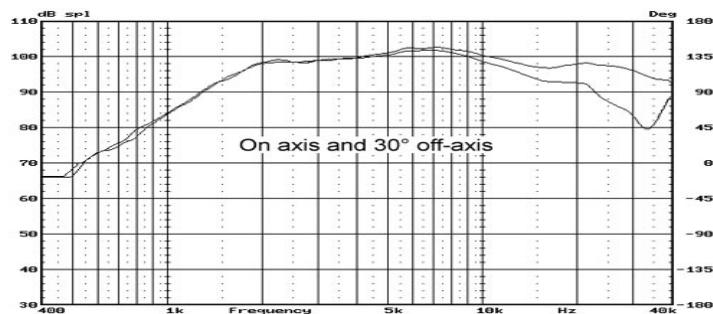
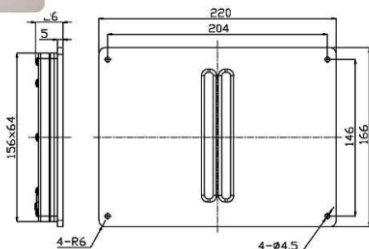


RT2-Pro Ribbon



- 220 x 166mm flange
- Frequency range 2.3k-35kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat Impedance curve

Znom 8 ohm
Nom. Power 30 Watts
Sensitivity 2.83V / 1m 99 dB
Magnet System Neodymium
Weight 1.06 kg

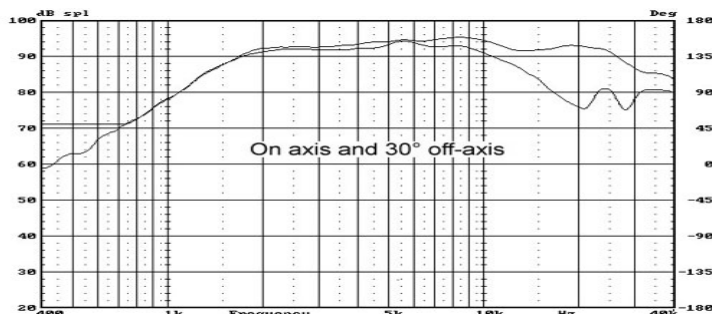
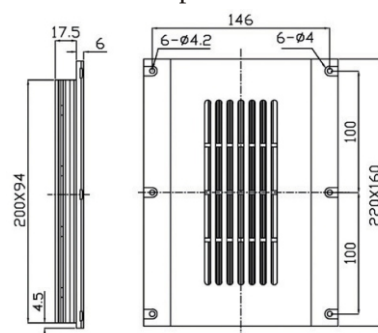


RT8II Ribbon



- 160 x 220mm flange
- Frequency range 1.7k-27kHz
- Isodynamic Ribbon
- Neodymium magnet
- Magnetically shielded
- Flat Impedance curve

Znom 6 ohm
Nom. Power 30 Watts
Sensitivity 2.83V / 1m 95 dB
Magnet System Neodymium
Weight 1.1 kg

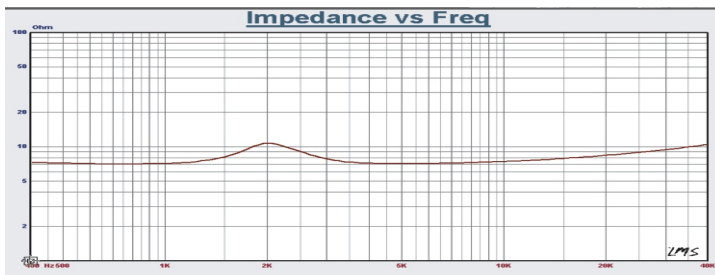
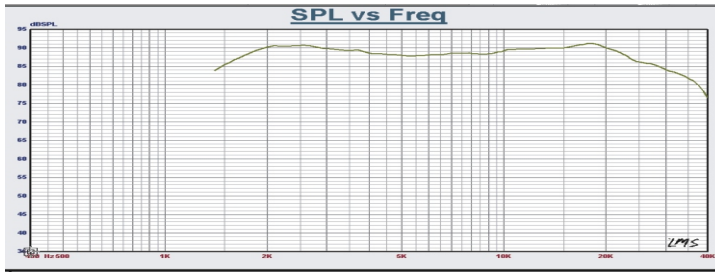


T20-8 Tweeter



- 20mm fabric dome
- 53mm flange
- 36mm cut out
- 10mm depth
- 4 or 8 ohm

Znom	8	ohm
fs	2000	Hz
Nom. Power	15	W
Re	6.8	ohm
VC Ø	20	mm
Sensitivity	2.83V / 1m	89 dB

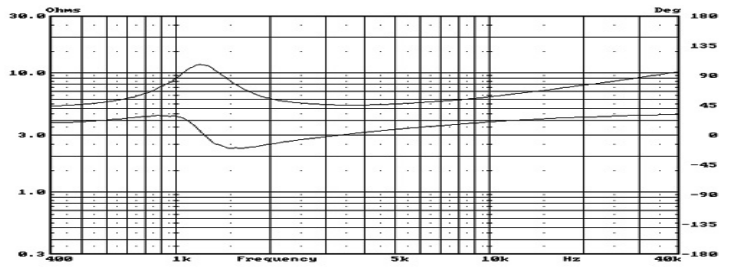
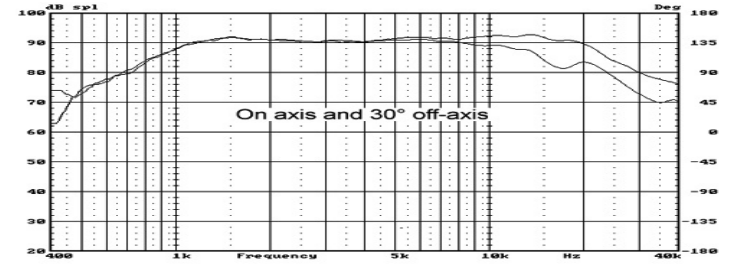


SD1.1-A Tweeter



- Fabric dome tweeter
- 116mm flange
- Shielded magnet

Znom	5	ohm
fs	1200	Hz
Nom. Power	15	W
Re	4.6	ohm
VC Ø	25	mm
Sensitivity	2.83V / 1m	91 dB
Weight	1.0	kg

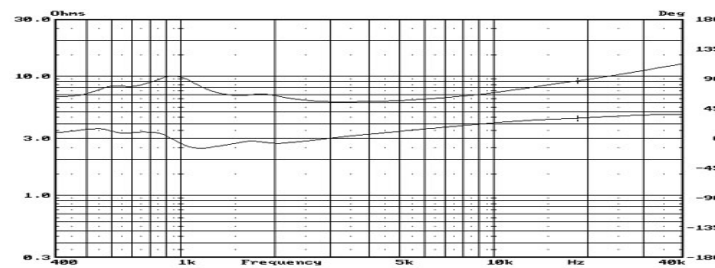
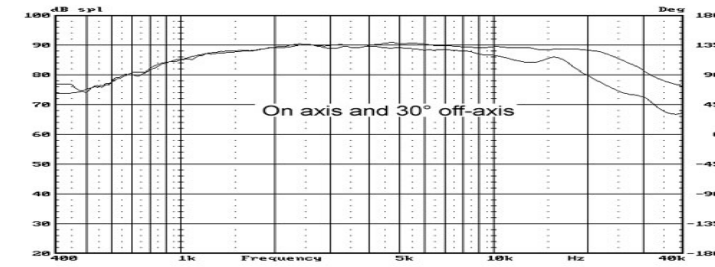


Q1R Tweeter



- Fabric dome tweeter
- 116mm flange
- Shielded magnet

Znom	6	ohm
fs	1000	Hz
Nom. Power	89	W
Re	5.3	ohm
VC Ø	28	mm
Sensitivity	2.83V / 1m	89 dB
Weight	0.8	kg

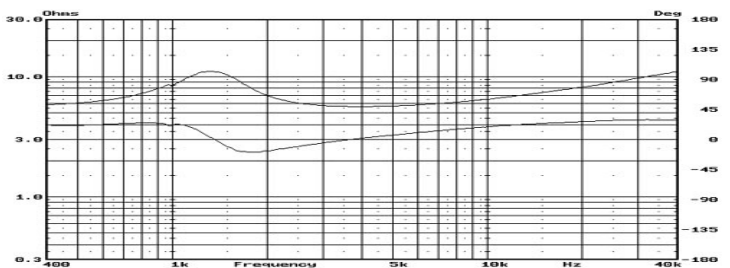
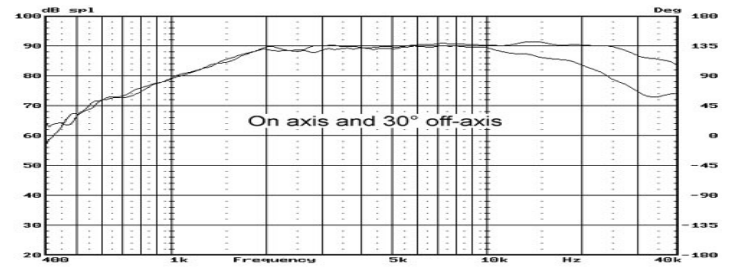


TN28 Tweeter



- Top Mount
- Fabric dome tweeter
- Shielded magnet

Znom	6	ohm
fs	1300	Hz
Nom. Power	15	W
Re	5.1	ohm
VC Ø	28	mm
Sensitivity	2.83V / 1m	90 dB
Weight	0.14	kg

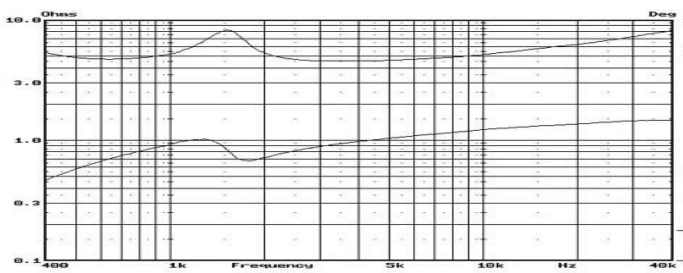
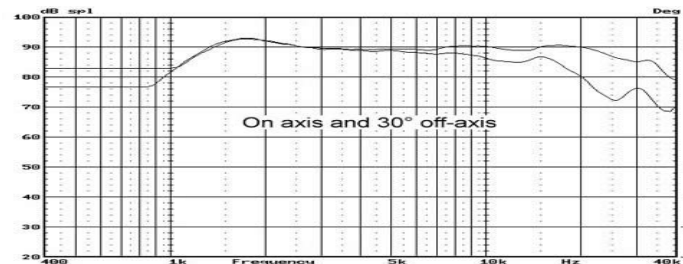


TN25 Tweeter



- Fabric dome tweeter
- 54.5mm square flange
- Shielded, w/ chamber

Znom	5	ohm
fs	1500	Hz
Nom. Power	15	W
Re	4.6	ohm
VC Ø	25	mm
Sensitivity		
2.83V / 1m	90	dB
Weight	0.09	kg

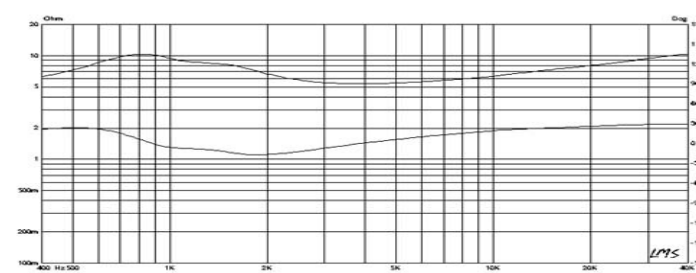
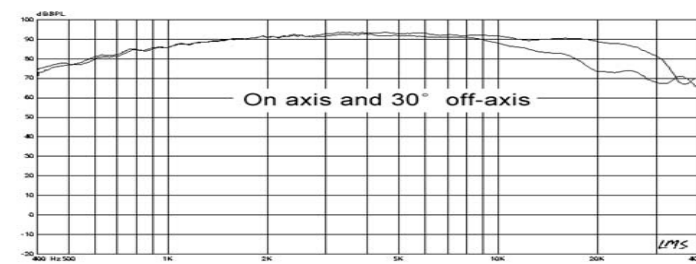


K1 Tweeter



- Fabric dome tweeter
- 116mm round flange
- Shielded magnet

Znom	5	ohm
fs	800	Hz
Nom. Power	15	W
Re	4.6	ohm
VC Ø	25	mm
Sensitivity		
2.83V / 1m	92	dB
Weight	0.9	kg

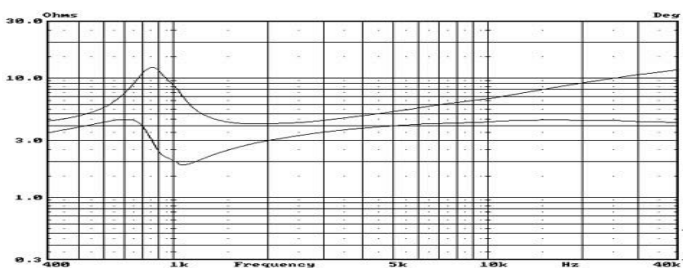
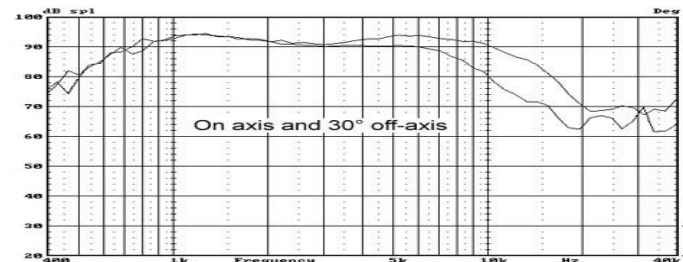


DMN-A Midrange



- 2" fabric dome
- Chambered back
- Shielded magnet
- 116mm round flange

Znom	5	ohm
fs	800	Hz
Nom. Power	60	W
Re	4.3	ohm
VC Ø	50	mm
Sensitivity		
2.83V / 1m	93	dB
Weight	0.4	kg

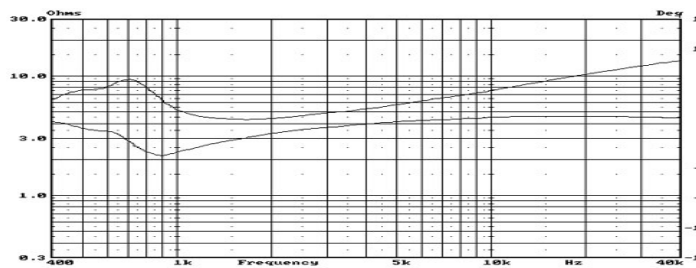
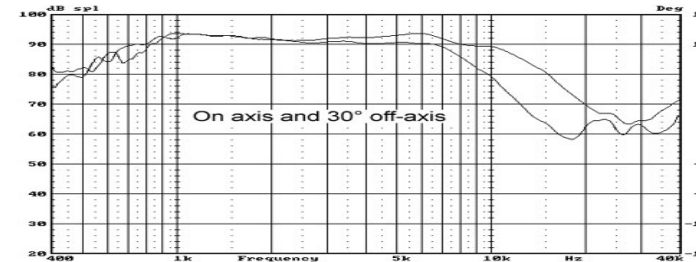


DMB-A Midrange



- 2" textured fabric dome
- Shielded magnet
- 145mm round flange

Znom	5	ohm
fs	700	Hz
Nom. Power	80	W
Re	4.3	ohm
VC Ø	50	mm
Sensitivity		
2.83V / 1m	92	dB
Weight	1.6	kg



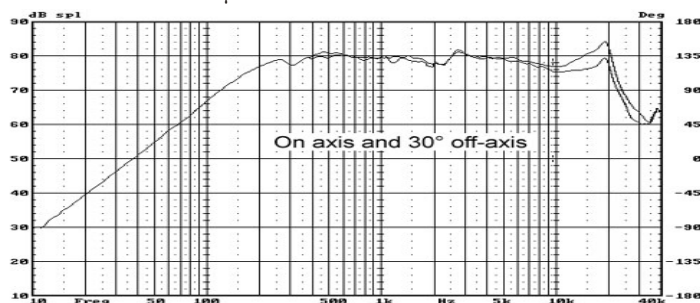
B1S Full Range



- 1" magnesium/aluminum cone full range (copper)
- Neodymium magnet
- Foam surround
- Frequency range 270Hz-20kHz
- 36mm square flange
- 32.5mm cut out
- 13.1mm depth

Znom	8	ohm
fs	220	Hz
Nom. Power	2	W
Re	6.5	ohm
Qms	2.57	
Qes	0.68	
Qts	0.56	
Mms	0.5	g
Cms	1057	μM/N

Sd	5	cm ²
BL	2.3	Tm
Vas	0.04	ltrs
Xmax	0.95	mm peak
VC Ø	19	mm
Sensitivity	2.83V / 1m	79 dB
Weight	0.03	kg
Rec.	6 cubic inch sealed, f3 270	



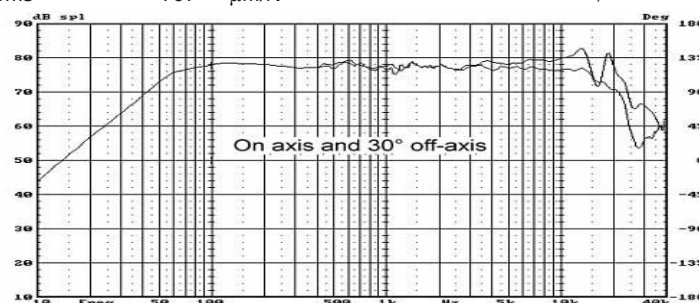
A2S Full Range



- 2" magnesium/aluminum cone full range (copper)
- Neodymium magnet
- Rubber surround
- Frequency range 150Hz-15kHz
- Shielded magnet
- 53mm square flange
- 48mm cut out
- 30.5mm depth

Znom	8	ohm
fs	153	Hz
Nom. Power	10	W
Re	6.5	ohm
Qms	7.33	
Qes	1.53	
Qts	1.27	
Mms	1.5	g
Cms	707	μM/N

Sd	13	cm ²
BL	2.5	Tm
Vas	0.2	ltrs
Xmax	1.5	mm peak
VC Ø	25	mm
Sensitivity	2.83V / 1m	78 dB
Weight	0.12	kg
Rec.	0.5-5 liters sealed, f3 150	



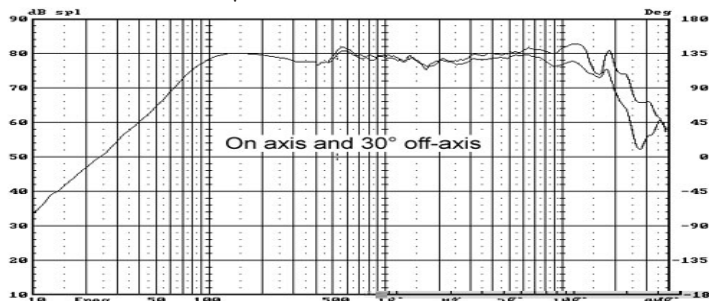
B2S Full Range



- 2" magnesium/aluminum cone full range (copper)
- Neodymium magnet
- Rubber surround
- Frequency range 150Hz-15kHz
- Shielded magnet
- 53mm square flange
- 48mm cut out
- 30.5mm depth

Znom	8	ohm
fs	152	Hz
Nom. Power	10	W
Re	6.5	ohm
Qms	5.69	
Qes	1.53	
Qts	1.20	
Mms	1.6	g
Cms	689	μM/N

Sd	13	cm ²
BL	2.5	Tm
Vas	0.2	ltrs
Xmax	1.5	mm peak
VC Ø	25	mm
Sensitivity	2.83V / 1m	78 dB
Weight	0.12	kg
Rec.	0.5-5 liters sealed, f3 150	



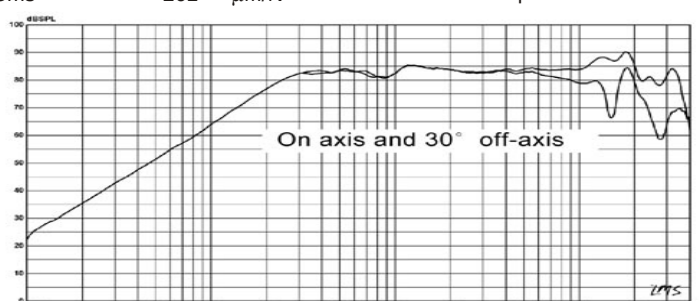
U2S Full Range



- 2" coated aluminum alloy cone full range
- Neodymium magnet
- Transparent surround
- Frequency range 245Hz-20kHz
- Shielded magnet
- 53mm square flange
- 48mm cut out
- 30.5mm depth

Znom	8	ohm
fs	290	Hz
Nom. Power	5	W
Re	6.5	ohm
Qms	5.17	
Qes	1.43	
Qts	1.12	
Mms	1.2	g
Cms	261	μM/N

Sd	13	cm ²
BL	3.0	Tm
Vas	0.1	ltrs
Xmax	1.8	mm peak
VC Ø	25	mm
Sensitivity	2.83V / 1m	83 dB
Weight	0.1	kg
Rec.	Sealed/Open baffle? 245Hz?	

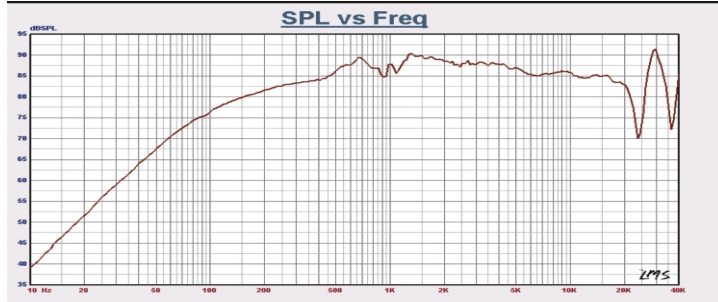


U2.5P-6 Full Range



- 2.5" coated aluminum alloy cone full range
- Neodymium magnet
- Transparent surround
- Frequency range 110Hz-20kHz
- Shielded magnet
- 70mm square flange
- 68mm cut out
- 35mm depth

Znom	6 ohm	Sd	21 cm ²
fs	110 Hz	BL	3.3 Tm
Nom. Power	15 W	Vas	0.8 ltrs
Re	5.2 ohm	Xmax	1.0 mm peak
Qms	1.5	VC Ø	25 mm
Qes	0.43	Sensitivity	
Qts	0.33	2.83V / 1m	86 dB
Mms	1.69 g	Weight	0.14 kg
Cms	1385 µM/N	Rec. 0.4 liter sealed	270Hz

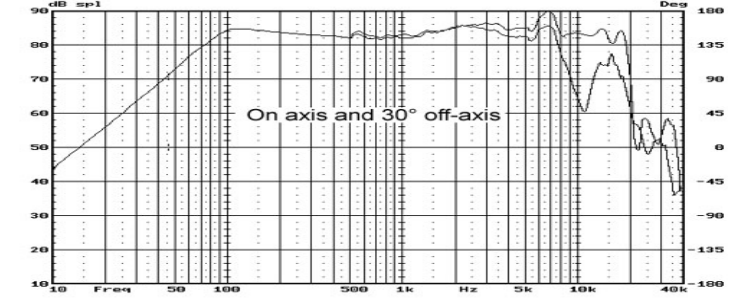


B3S Full Range



- 3" magnesium/aluminum cone full range
- Copper color
- Shielded magnet
- Rubber surround
- Frequency range 80Hz-8kHz
- 78mm square flange
- 70mm cut out
- 53mm depth

Znom	8 ohm	Sd	30 cm ²
fs	80 Hz	BL	2.9 Tm
Nom. Power	15 W	Vas	1.6 ltrs
Re	6.5 ohm	Xmax	3.0 mm peak
Qms	4.29	VC Ø	20 mm
Qes	1.19	Sensitivity	
Qts	0.93	2.83V / 1m	80 dB
Mms	3.1 g	Weight	0.53 kg
Cms	1260 µM/N	Rec. box	0.5-5 liters sealed, f3 80

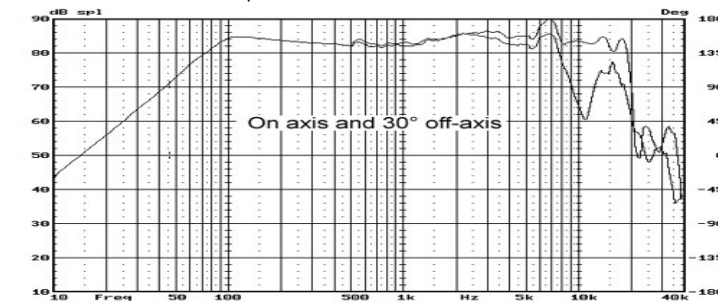


B3N Full Range



- 3" magnesium/aluminum cone full range
- Copper color
- Shielded magnet
- Rubber surround
- Frequency range 80Hz-8kHz
- 90mm round flange
- 71mm cut out
- 53mm depth

Znom	8 ohm	Sd	30 cm ²
fs	77 Hz	BL	3.1 Tm
Nom. Power	15 W	Vas	1.7 ltrs
Re	6.5 ohm	Xmax	3.0 mm peak
Qms	4.48	VC Ø	20 mm
Qes	1.07	Sensitivity	
Qts	0.86	2.83V / 1m	81 dB
Mms	3.2 g	Weight	0.55 kg
Cms	1320 µM/N	Rec. box	0.5-5 liters sealed, f3 80

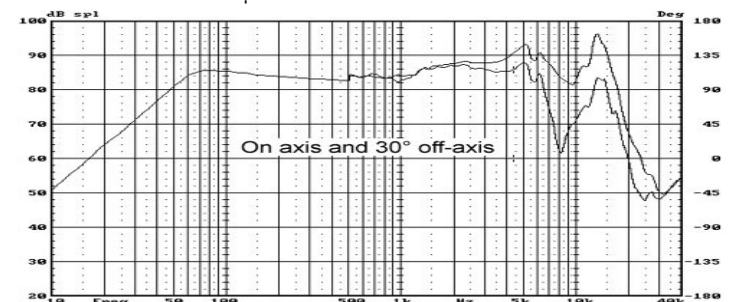


M4N Full Range



- 4" magnesium/aluminum cone full range
- Copper color
- Shielded magnet
- Rubber surround
- Frequency range 70Hz-4kHz
- 116.5mm round flange
- 93mm cut out
- 63mm depth

Znom	8 ohm	Sd	53 cm ²
fs	69 Hz	BL	3.1 Tm
Nom. Power	15 W	Vas	4.3 ltrs
Re	6.5 ohm	Xmax	3.0 mm peak
Qms	5.39	VC Ø	20 mm
Qes	1.35	Sensitivity	
Qts	1.08	2.83V / 1m	82 dB
Mms	4.8 g	Weight	0.60 kg
Cms	1080 µM/N	Rec. box	4 liters sealed, f3 73



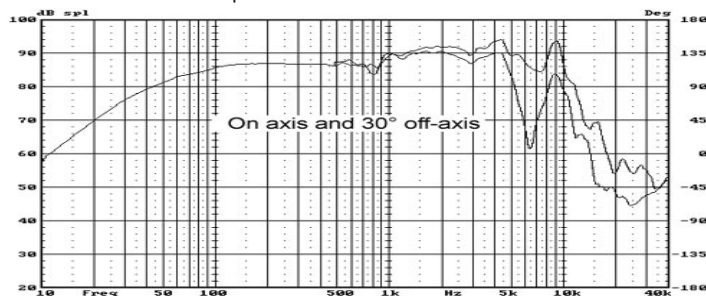
M5N Midbass



- 5" Magnesium/ Aluminum alloy cone
- Stamped steel frame
- Rubber surround
- Shielded magnet
- Frequency response 53Hz-5kHz
- 144mm flange
- 115mm cut out
- 91mm depth

Znom	8	ohm
fs	47	Hz
Nom. Power	35	W
Re	6.5	ohm
Qms	6.51	
Qes	0.37	
Qts	0.35	
Mms	10.7	g
Cms	1051	μM/N

Sd	87	cm ²
BL	7.5	Tm
Vas	11.3	ltrs
Xmax	2.7	mm peak
VC Ø	25	mm
Sensitivity		
2.83V / 1m	87	dB
Weight	1.5	kg
Rec. Box:	6 ltrs, 1"Ø x 2.3" F3	59



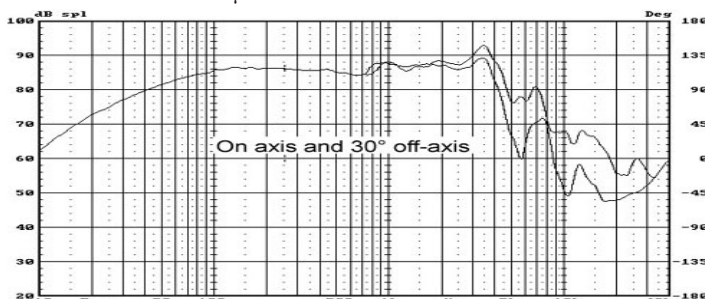
D6.8 Midbass



- 7" mineral filled polypropylene cone
- Cast frame
- Rubber surround
- 3" Voice coil
- Frequency range 40Hz-4kHz
- 174mm flange
- 136mm cut out
- 76mm depth

Znom	8	ohm
fs	42	Hz
Nom. Power	60	W
Re	6.5	ohm
Qms	3.81	
Qes	0.45	
Qts	0.40	
Mms	21.8	g
Cms	652	μM/N

Sd	121	cm ²
BL	9.5	Tm
Vas	13.5	ltrs
Xmax	4.8	mm peak
VC Ø	76	mm
Sensitivity		
2.83V / 1m	85	dB
Weight	1.9	kg
Rec. box	12 ltrs, 1.5"Ø x 5" F3	42



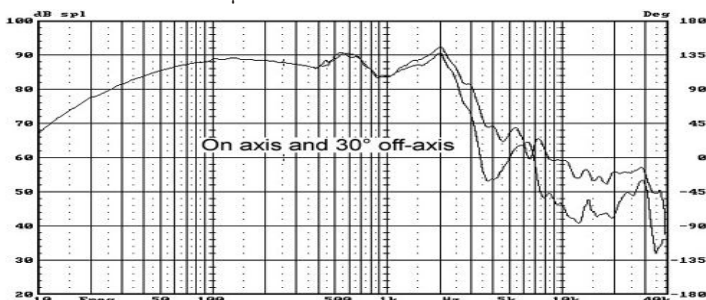
D8.8 Woofer



- 9" mineral filled polypropylene cone
- Cast frame
- Foam surround
- 4" Voice Coil
- Frequency range 30Hz-2kHz
- 243mm flange
- 202mm cut out
- 96.5mm depth

Znom	8	ohm
fs	30	Hz
Nom. Power	150	W
Re	6.5	ohm
Qms	1.97	
Qes	0.46	
Qts	0.38	
Mms	50.9	g
Cms	545	μM/N

Sd	241	cm ²
BL	11.7	Tm
Vas	46.8	ltrs
Xmax	8.3	mm peak
VC Ø	100	mm
Sensitivity		
2.83V / 1m	87	dB
Weight	3.5	kg
Rec. Box:	31 ltrs, 2"Ø x 5.75" F3	



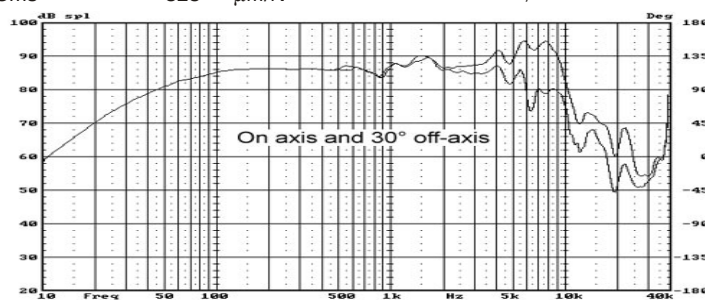
F5 Midbass



- 5.5" Kevlar®/Paper cone
- Phase plug
- Cast frame
- Rubber surround
- Shielded magnet
- Frequency range 65Hz-8kHz
- 154mm flange
- 116.5mm cut out
- 89mm depth

Znom	8	ohm
fs	52	Hz
Nom. Power	35	W
Re	6.5	ohm
Qms	4.31	
Qes	0.36	
Qts	0.33	
Mms	11.5	g
Cms	828	μM/N

Sd	79	cm ²
BL	8.3	Tm
Vas	7.3	ltrs
Xmax	2.7	mm peak
VC Ø	25	mm
Sensitivity		
2.83V / 1m	86	dB
Weight	1.6	kg
Rec. Box:	4 ltrs, 1"Ø x 4" F3	63

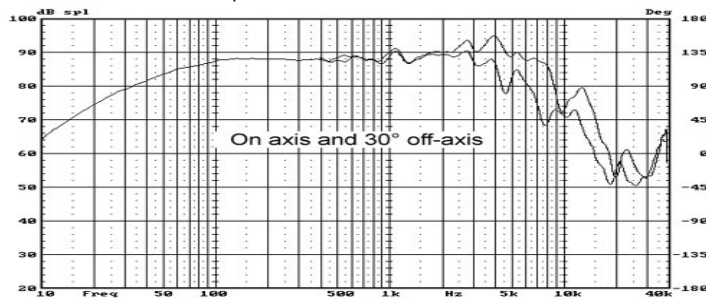


F6 Midbass



- 7" Kevlar®/Paper cone
- Phase plug
- Cast frame
- Rubber surround
- Shielded magnet
- Frequency response 50Hz-5kHz
- 197mm flange
- 149mm cut out
- 92mm depth

Znom	8 ohm	Sd	139 cm ²
fs	45 Hz	BL	9.0 Tm
Nom. Power	45 W	Vas	16.4 ltrs
Re	6.5 ohm	Xmax	4.3 mm peak
Qms	3.91	VC Ø	25 mm
Qes	0.38	Sensitivity	
Qts	0.35	2.83V / 1m	88 dB
Mms	18.3 g	Weight	2.1 kg
Cms	658 µM/N	Rec Box: 11 ltrs, 1.5"Ø x 3.75" F3	51

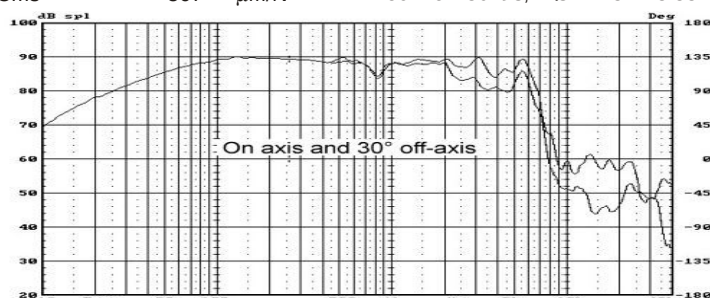


F8 Woofer



- 8" Kevlar®/Paper cone
- Cast frame
- Rubber surround
- Shielded magnet
- Frequency response 38Hz-3kHz
- 239mm flange
- 187mm cut out
- 106mm depth

Znom	8 ohm	Sd	214 cm ²
fs	36 Hz	BL	10.1 Tm
Nom. Power	60 W	Vas	36.9 ltrs
Re	6.5 ohm	Xmax	5.0 mm peak
Qms	1.73	VC Ø	35 mm
Qes	0.51	Sensitivity	
Qts	0.39	2.83V / 1m	87 dB
Mms	35.3 g	Weight	2.9 kg
Cms	567 µM/N	Rec. Box: 30 ltrs, 2"Ø x 4.3" F3	38

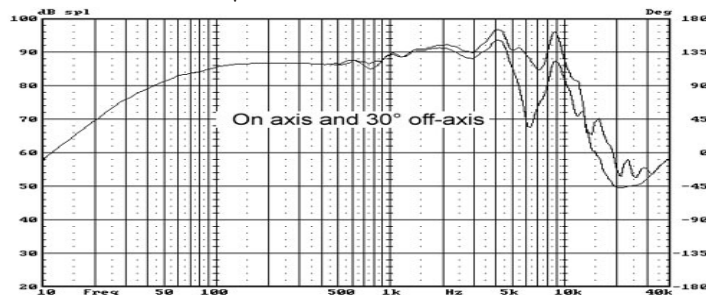


M5a Midbass



- 5" Magnesium/ Aluminum alloy cone
- Cast frame
- Rubber surround
- Shielded magnet
- Frequency response 54Hz-8kHz
- 140mm flange
- 116mm cut out
- 89.2mm depth

Znom	8 ohm	Sd	87 cm ²
fs	48 Hz	BL	7.6 Tm
Nom. Power	35 W	Vas	11.2 ltrs
Re	6.5 ohm	Xmax	2.7 mm peak
Qms	6.71	VC Ø	25 mm
Qes	0.36	Sensitivity	
Qts	0.34	2.83V / 1m	87 dB
Mms	10.8 g	Weight	1.6 kg
Cms	1038 µM/N	Rec. Box: 5 ltrs, 1"Ø x 2.6" F3	63

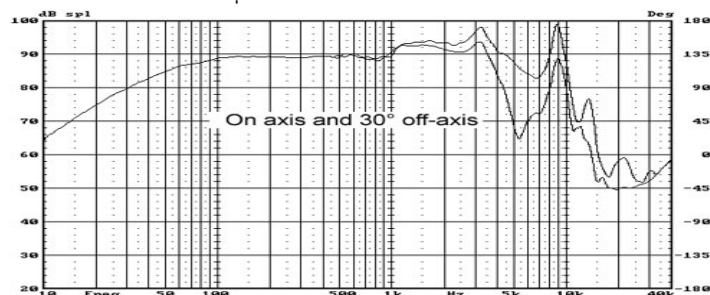


M6a Midbass



- 7" Magnesium / Aluminum alloy cone
- Cast frame
- Rubber surround
- Shielded magnet
- Frequency response 50Hz-5kHz
- 174mm flange
- 148mm cut out
- 95mm depth

Znom	8 ohm	Sd	139 cm ²
fs	46 Hz	BL	7.8 Tm
Nom. Power	45 W	Vas	21.9 ltrs
Re	6.5 ohm	Xmax	4.3 mm peak
Qms	3.94	VC Ø	25 mm
Qes	0.42	Sensitivity	
Qts	0.38	2.83V / 1m	88 dB
Mms	13.6 g	Weight	2.0 kg
Cms	874 µM/N	Rec. Box: 14 ltrs, 2"Ø x 5" F3	53



M8a Woofer



- 8" Magnesium / Aluminum alloy cone
- Cast frame
- Rubber surround
- Copper color cone
- Frequency response 30Hz-2kHz
- 215mm flange
- 187mm cut out
- 99mm depth

Znom	8	ohm
fs	30	Hz
Nom. Power	80	W
Re	6.5	ohm
Qms	4.90	
Qes	0.47	
Qts	0.43	
Mms	35.1	g
Cms	773	μM/N

Sd	214	cm ²
BL	9.6	Tm
Vas	50.3	ltrs
Xmax	5.8	mm peak
VC Ø	35	mm
Sensitivity	2.83V / 1m	87 dB
Weight	2.5	kg
Rec. Box:	40 ltrs, 2" x 5.1" F3	32

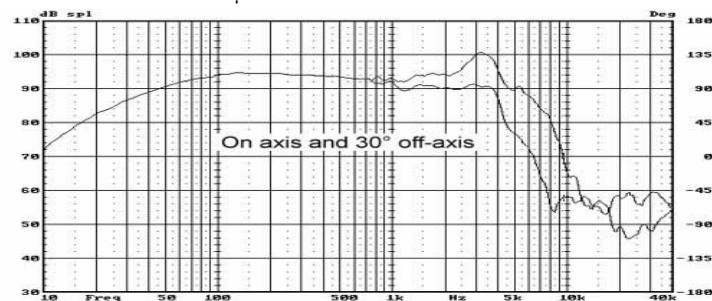
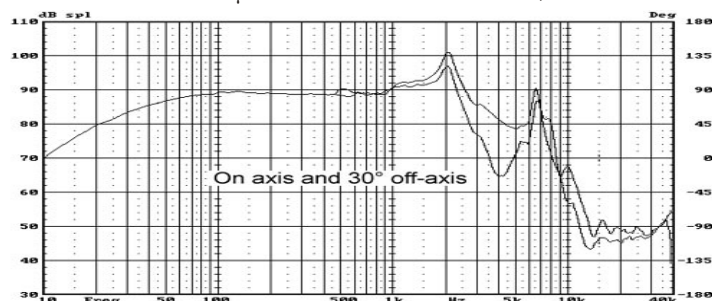
M12 Woofer



- 12" Magnesium / Aluminum alloy cone
- Cast frame
- Rubber surround
- 4 ohm
- Frequency response 30Hz-1.5kHz
- 336mm flange
- 280mm cut out
- 143mm depth

Znom	4	ohm
fs	27	Hz
Nom. Power	150	W
Re	3.4	ohm
Qms	4.87	
Qes	0.36	
Qts	0.33	
Mms	161.5	g
Cms	203.2	μM/N

Sd	531	cm ²
BL	16.8	Tm
Vas	81.4	ltrs
Xmax	7.2	mm peak
VC Ø	50	mm
Sensitivity	2.83V / 1m	93 dB
Weight	8.0	kg
Rec Box:	53 liters, 3"Ø x 7.5", F3	



W5 Midbass



- 5" Super-PPF polymer film cone
- Cast frame, Shielded
- Rubber surround
- Phase plug
- Frequency response 50Hz-7kHz
- 153mm flange
- 115mm cut out
- 94mm depth

Znom	8	ohm
fs	57	Hz
Nom. Power	35	W
Re	6.5	ohm
Qms	3.17	
Qes	0.58	
Qts	0.49	
Mms	9.8	g
Cms	802	μM/N

Sd	87	cm ²
BL	6.2	Tm
Vas	8.6	ltrs
Xmax	2.5	mm peak
VC Ø	25	mm
Sensitivity	2.83V / 1m	86 dB
Weight	1.8	kg
Rec. Box:	9 ltrs, 1.5"Ø x 3.25" F3	

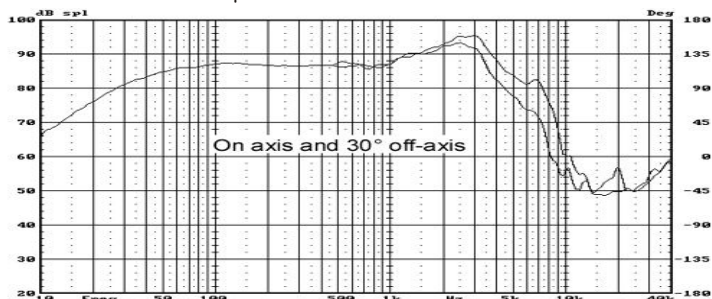
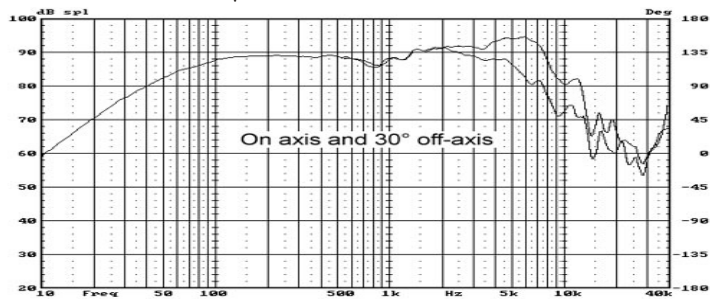
W6 Midbass



- 7" Super-PPF polymer film cone
- Cast frame
- Shielded magnet
- Frequency response 55Hz-3kHz
- 197mm frame
- 149mm cut out
- 94mm depth

Znom	8	ohm
fs	40	Hz
Nom. Power	45	W
Re	6.5	ohm
Qms	3.04	
Qes	0.64	
Qts	0.52	
Mms	17.1	g
Cms	913	μM/N

Sd	139	cm ²
BL	6.7	Tm
Vas	25.1	ltrs
Xmax	4.3	mm peak
VC Ø	25	mm
Sensitivity	2.83V / 1m	90 dB
Weight	2.5	kg
Rec. Box:	15 ltrs sealed, F3	55



CF150 5.25" Autosound Coaxial

- Rigid ceramic polypropylene talc cone
- Ferrofluid cooled fabric dome tweeter
- Decorative rubber boot covers the woofer magnet
- Decorative grill included, tweeter grill (also removable)
- Impedance: 4 ohm
- Frequency response: 60Hz to 23kHz
- Nominal power handling: 40W
- Sensitivity: 91dB
- Internal crossover
- 138mm frame diameter (5.43")
- 116mm cut out hole size (4.57")
- 62mm depth (2.44")
- Grill dimensions: 158mm x 22mm (6.22" x 0.87")



CF160 6" Autosound Coaxial

- Rigid ceramic polypropylene talc cone
- Ferrofluid cooled fabric dome tweeter
- Decorative rubber boot covers the woofer magnet
- Decorative grill included, tweeter grill (also removable)
- Impedance: 4 ohm
- Frequency response: 45Hz to 23kHz
- Nominal power handling: 50W
- Sensitivity: 92dB
- Internal crossover
- 156.5mm frame diameter (6.16")
- 144mm cut out hole size (5.67")
- 65mm depth (2.56")
- Grill dimensions: 172.5mm x 22mm (6.79" x 0.87")



SP10 Subwoofer

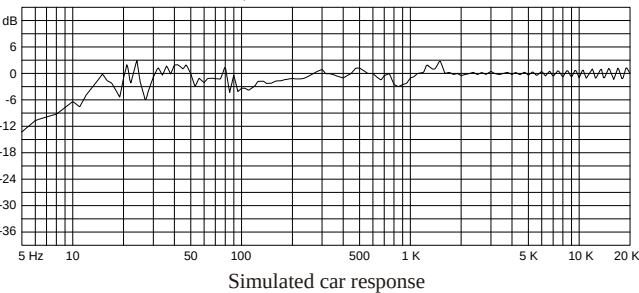


- 10" Subwoofer with double layer mica film cone
- Large roll rubber surround
- 261mm flange, 236mm cut out and 145mm depth
- 15.5mm X-max peak!
- For Home or Autosound applications

For Home: 25Hz in 1.1 cubic foot sealed with KG5230.

For Car: 15Hz in 1.1 cubic foot sealed box (with +6dB of cabin gain)

Znom	4	ohm	Sd	363	cm ²
fs	34	Hz	BL	16.6	Tm
Nom. Power	500	W	Vas	17.1	ltrs
Re	3.4	ohm	Xmax	15.5	mm pk
Qms	4.83		VC Ø	76	mm
Qes	0.65		Sensitivity		
Qts	0.57		2.83V / 1m	84	dB
Mms	235	g	Weight	13.0	kg
Cms	91.4	µM/N			



VX6-SC 6" 2-way Stereo In-Ceiling - Each



- Dual 19mm fabric dome tweeters with ferrofluid cooling.
- Poly cone woofer with rubber surround, bumped back plate and vented pole piece.
- Level control switch for each tweeter

- Crossover is 6dB on the woofer and 12dB on the tweeter with polymide auto protective switches on the tweeters.
- Tweeters crossover uses a high grade polypropylene capacitor for clearer high frequency response.
- Gold plated push terminals
- Rust proof hardware
- Rust proof aluminum grill, painted white.
- Paint mask included



- 8.07" cut out hole, cut out template included
- Frame and grills are white



LCY SPLIT RIBBON TWEETERS

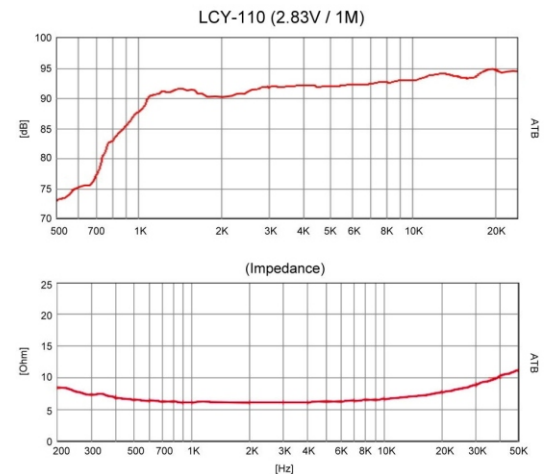
The LCY Ribbon tweeter is based on technology well proven by audio pioneers for over half a century but is innovatively designed to satisfy the sophisticated demands of the digital era.

The LCY has a unique design employing twin ribbons of half the length of conventional ribbons in order to control vertical plane dispersion. Thus it reproduces both vertically and horizontally as effectively as voice-coil operated dome tweeters but with the accuracy, elegance and refined timbres of ribbon-tweeter technology. Magnetic flux density is enhanced by the use of our own neodymium magnet system and a sophisticated transformer with parallel multi-wiring oxygen free copper (OFC) has been adopted for superior frequency and power handling and optimal size.



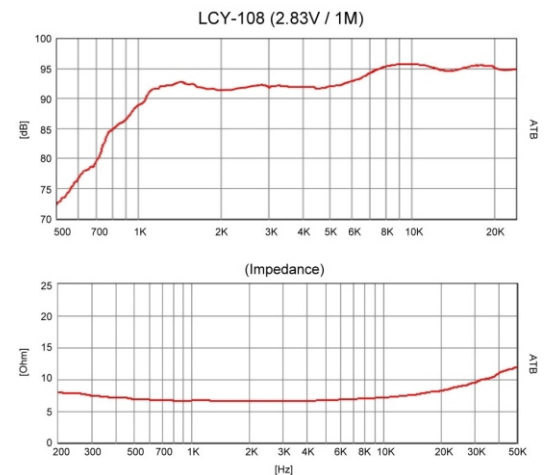
LCY-110

Frequency Response: 2kHz-60kHz
Sensitivity: 92dB (2.83V@1M)
Nominal Impedance: 8 Ω
Magnet Type: Neodymium
Ribbon Effective Area: 740 mm²
Ribbon Thickness: 0.006mm
Ribbon Length: 38mm
Nominal Power Handling: 150W
Weight: 1.05kg
Flange Diameter: 110mm
Cut Out: 86mm x 58mm or 99mm $\varnothing$
Depth: 86mm
Flange Thickness: 10mm
Price Each: \$199.00



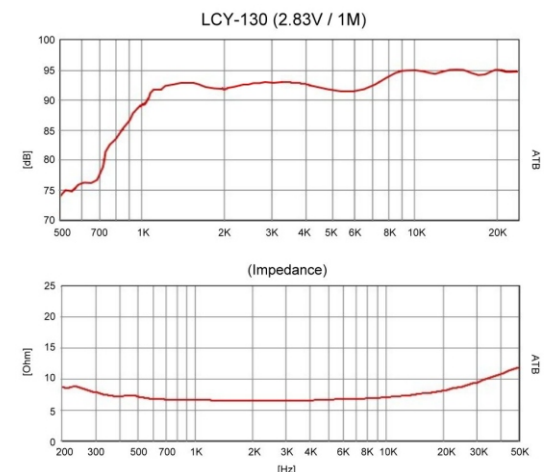
LCY-108

Frequency Response: 2.2kHz-60kHz
Sensitivity: 92dB (2.83V@1M)
Nominal Impedance: 8 Ω
Magnet Type: Neodymium
Ribbon Effective Area: 740 mm²
Ribbon Thickness: 0.006mm
Ribbon Length: 38mm
Nominal Power Handling: 150W
Weight: 0.95kg
Flange: 108mm x 108mm
Cut Out: 86mm x 58mm or 99mm $\varnothing$
Depth: 86mm
Flange Thickness: 5mm
Price Each: \$184.00



LCY-130

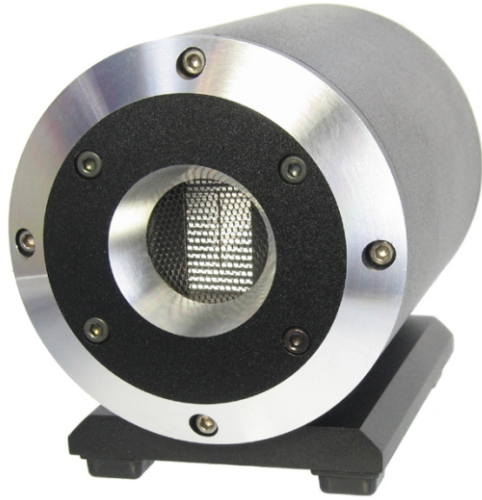
Frequency Response: 1.8kHz-60kHz
Sensitivity: 92dB (2.83V@1M)
Nominal Impedance: 8 Ω
Magnet Type: Neodymium
Ribbon Effective Area: 740 mm²
Ribbon Thickness: 0.006mm
Ribbon Length: 38mm
Nominal Power Handling: 150W
Weight: 1.15kg
Flange Diameter: 130mm
Cut Out: 86mm x 58mm or 99mm $\varnothing$
Depth: 90.5mm
Flange Thickness: 7.5mm
Price Each: \$210.00





LCY SPLIT RIBBON SUPER TWEETERS

Model LCY-100K has been designed specifically bearing in mind the audiophile who already owns a good speaker system. Simple connection of the LCY-100K externally gives immediate enhancement of ultra-high frequencies and brings an already good speaker system into the 21st Century. The units are elegantly designed with integrated stands and will enhance the appearance as well as the performance of any system. Each pair is packed in a rigid aluminium case with handle for secure transportation and shipping.



LCY-100K

Frequency Response: 10kHz or 13kHz -100kHz

Crossover: 18dB/oct built-in switchable high pass filter

Sensitivity: (2.83V@1M)

10kHz, 96dB (Switched to the right when viewed from the rear)

13kHz, 92dB (Switched to the left when viewed from the rear)

Crossover: Philips MKP Polypropylene capacitors and OFC inductor.

Nominal Impedance: 8 Ω

Magnet Type: Neodymium

Ribbon Effective Area: 375 mm²

Ribbon Thickness: 0.006mm

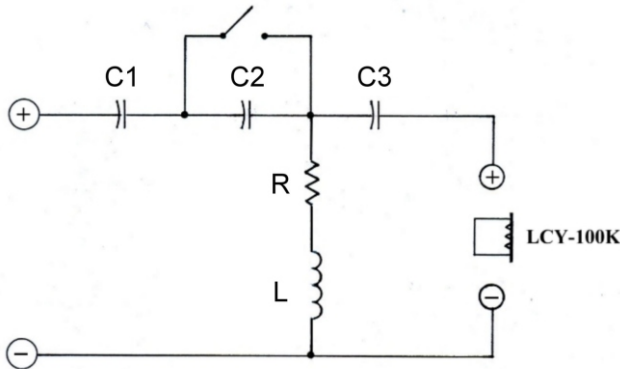
Ribbon Length: 25mm

Nominal Power Handling: 300W

Tweeter Diameter: 84mm

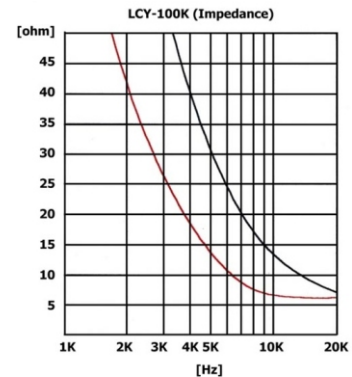
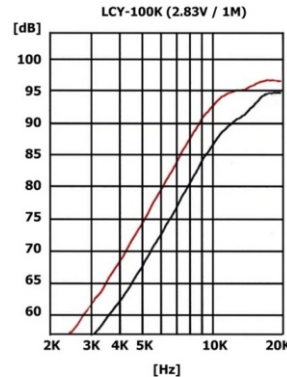
Depth: 136mm

Price Each: \$260.00



C1, C2, C3 = 2.2uF, 275AC, MKP (Philips)

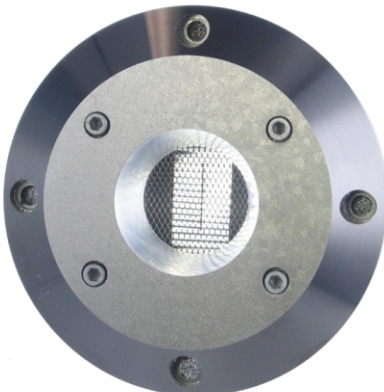
R = 1.5 ohm 5W L = 0.12mH 22# 4N OFC



Viewed from the rear of the LCY-100K super tweeter.

When the switch is placed to the left, the unit response will be according to the black line.

When the switch is placed to the right, the unit response will be according to the red line.



LCY-K100

Frequency Response: 7kHz-100kHz

Sensitivity: 95dB (2.83V@1M)

Nominal Impedance: 8 Ω

Magnet Type: Neodymium

Ribbon Effective Area: 375 mm²

Ribbon Thickness: 0.006mm

Ribbon Length: 25mm

Nominal Power Handling: 200W(18dB/7kHz)

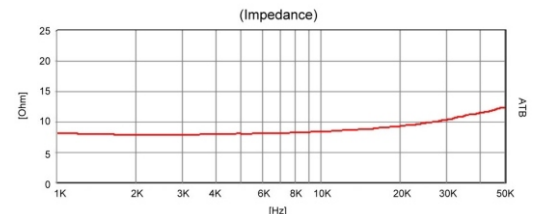
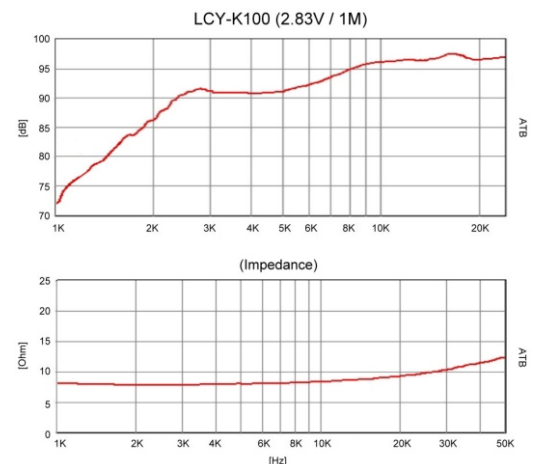
Flange Diameter: 90mm

Cut Out: 65mm x 43mm or 70mm $\varnothing$

Depth: 67mm

Flange Thickness: 5mm

Price Each: \$156.00





25NFA, 26NA & 26NAFM

1" neodymium magnet tweeters

Compact high efficiency dome tweeters with smooth and extended frequency response. Variable mounting to fit your applications. Ferrofluid cooled for higher power handling.

Technical Data	Symbol	Value	Unit
Nominal Impedance	Z_n	8	Ω
DC Resistance	R_{dc}	6.8	Ω
Resonant Frequency	f_r	1850	Hz
Rated Power		80	W
SPL 1W/1m		92	db
Total Moving Mass	M_{MS}	0.22	g
Effective Piston Area	S_D	6.8	cm ²
Voice Coil Diameter		25	mm
Voice Coil Former		Nomex	
Voice Coil Length		1.5	mm
Voice Coil Layers		2	
Flux Density	B	1.35	Tesla
Force Factor	B_L	2.4	Tm
Gap Height		2	mm
Magnet Diameter		32	mm
Magnet Height		8	mm
Magnet Weight		0.05	kg
Mass of Speaker		0.07	kg

25NFA \$43.00 each

26NA \$37.00 each

25NAFM \$37.00 each

25NFA & 26NA

Flange diameter 48 mm
Cutout hole Ø 46 mm
Depth 10 mm

26NAFM

Flange diameter 67 mm
Cutout hole Ø 48 mm
Depth 10 mm



26NA Aluminum dome



25NFA Textile dome



Hinged Wedge Mount



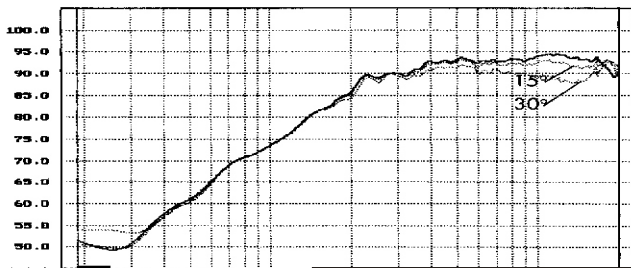
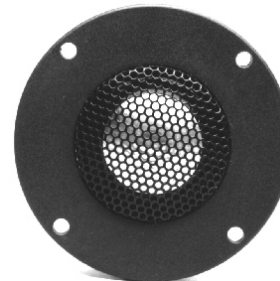
Wedge Mount



Flush Mount

- Wedge mounting; \$2.00 each (LPGWM)
- Hinged Wedge mounting; \$3.50 each (HWM)
- Flush mounting; \$3.50 each (LPGFM)

26NAFM Flush Mount Tweeter



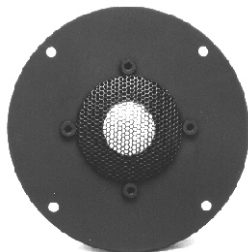
26T

1" dome tweeter

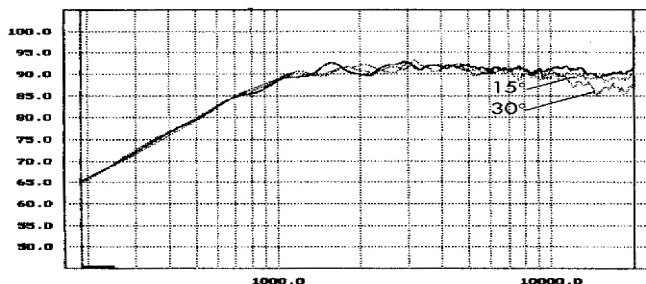
Price \$45.00

25 mm titanium dome tweeter with high efficiency and wide frequency response

- titanium dome
- black aluminum front plate
- double magnet
- vented pole piece
- grill frame



Technical Data	Symbol	Value	Unit
Nominal Impedance	Z_n	8	Ω
DC Resistance	R_{dc}	6.8	Ω
Resonant Frequency	f_r	730	Hz
Rated Power		100	W
SPL 1W/1m		90	db
Total Moving Mass	M_{MS}	0.28	g
Effective Piston Area	S_D	6.8	cm ²
Voice Coil Diameter		25	mm
Voice Coil Former		Aluminum	
Voice Coil Length		1.5	mm
Voice Coil Layers		2	
Flux Density	B	1.8	Tesla
Force Factor	B_L	3.2	Tm
Gap Height		1.5	mm
Magnet Diameter		72	mm
Magnet Height		2 x 15	mm
Magnet Weight		2 x .25	kg
Mass of Speaker		0.75	kg
Flange diameter		110	mm
Cutout hole diameter		74	mm
Depth		41	mm



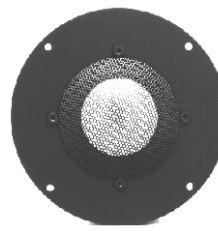
51AT

2" midrange dome

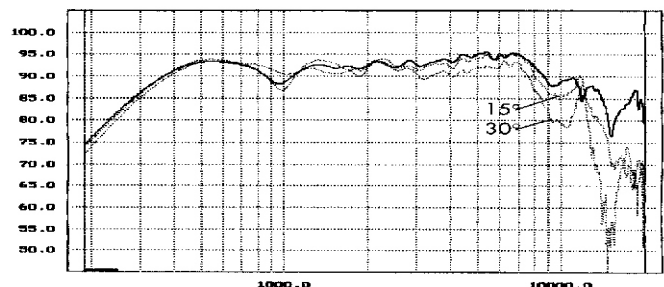
No Longer Available

50 mm metal midrange dome with high efficiency and extraordinarily wide frequency response

- aluminum dome
- rubber surround
- black aluminum front plate
- rear chamber
- vented pole piece
- grill frame



Technical Data	Symbol	Value	Unit
Nominal Impedance	Z_n	8	Ω
DC Resistance	R_{dc}	5.7	Ω
Resonant Frequency	f_r	480	Hz
Rated Power		100	W
SPL 1W/1m		93	db
Total Moving Mass	M_{MS}	1.27	g
Effective Piston Area	S_D	26	cm ²
Voice Coil Diameter		50	mm
Voice Coil Former		Aluminum	
Voice Coil Length		4.3	mm
Voice Coil Layers		1	
Flux Density	B	1.3	Tesla
Force Factor	B_L	3.7	Tm
Gap Height		3	mm
Magnet Diameter		102	mm
Magnet Height		17	mm
Magnet Weight		0.47	kg
Mass of Speaker		1.2	kg
Flange diameter		140	mm
Cutout hole diameter		105	mm
Depth		46	mm



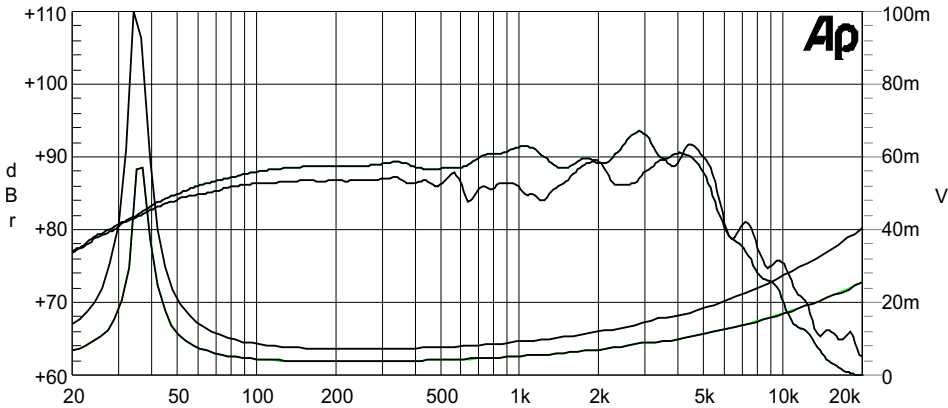
Madisound 6102 6.5" Polypropylene Woofers 4 or 8 Ω		
	6102-4	6102-8
Fs (Hz)	28.6	30.8
R _{sc} (Ω)	3.4	6.3
V _{cL} (mH@1K)	.403	.552
Q _{ms}	7.28	7.40
Q _{es}	.27	.37
Q _{ts}	.26	.35
M _{md} (g)	7.87	9.61
C _{ms} (μm/N)	3590.6	2570.1
V _{as} (Ltrs)	77.1	55.2
Efficiency (dB 2.83V/1m)	92	89
X _{max}	3.5mm pk	
Power	50 w	
Magnet	12 oz.	
Cone	Black Poly	
Surround	Foam	
Voice Coil	1" 2-Layer Kapton	
Cutout/Depth	5 9/16" / 2.87"	
Frame	6 9/16"	
Price	\$25.00	



Vented pole piece

	Vented		Sealed	
	4 Ω	8 Ω	4 Ω	8 Ω
VB ltrs	18	40	11.4	28
FB Hz	36	30	~	~
F3 Hz	41	33	58	47
Port Diameter	1.5"	2"	Q _{tc} = .7	Q _{tc} = .7
Length	4.6"	5.2"	R _g = .4	R _g = .4

AUDIO PRECISION : 6102-04 & 6102-08

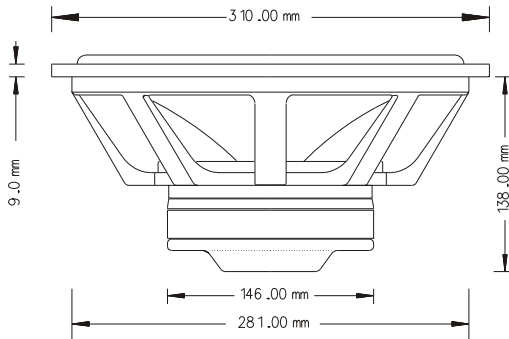




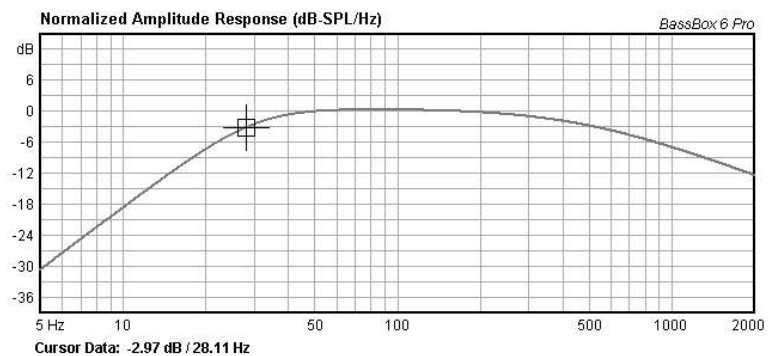
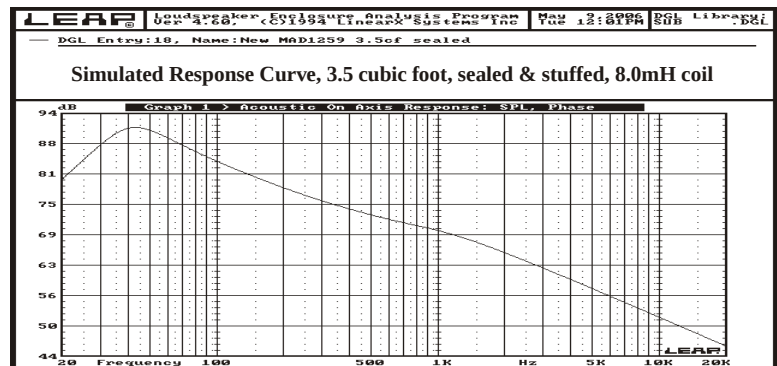
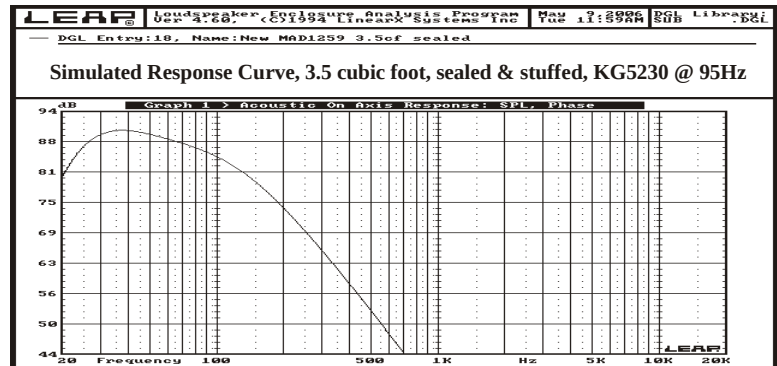
MAD1259

High Performance 12" Woofer (4Ω)

Madisound Speakers is pleased to offer the MAD1259 custom made woofer. The unique characteristics of the MAD1259 allow it to be used in a sealed enclosures, producing deep and accurate bass to 25Hz. The large voice coil and long excursion insure that this woofer will provide superior transient response with exceptional power handling. The bumped backplate and raised spider prevent bottoming at maximum excursions; the heavy cast frame minimizes energy transfer to the enclosure; and the polypropylene cone with rubber surround promise long term durability in any environment. This woofer is an exceptional choice for any high-end home or autosound system and can also handle the most demanding A/V system.



Specifications		
Fs	20.13	Hz
Nominal Impedance	4	Ω
Mmd	104.33	Grams
Cms	565.17	m/n
Vas	195.1	Liters
Re	3.524	Ω
Leap Krm	4.033	m Ω
Leap Kxm	11.829	mH
Leap Erm	0.756	
Leap Exm	0.727	
vcL	1.09	mH@1K
Bl	8.472	Tm
Qms	4.413	
Qes	0.663	
Qts	0.576	
Voice Coil Height	34	mm
Air Gap Height	8	mm
Xmax	13.0	mm Peak
SD	0.0493	m ²
Surround	Rubber	
Frame	Cast	
Cone Material	Polypropylene	
Magnet	59 oz.	
Voice Coil	50 mm	
Music Power	300 Watts	
Sensitivity	89 dB	2.83V/1m
Price	\$150.00	



Simulated Response Curve, 3.0 cubic foot, two MAD1259 woofers in series, compound loaded (piggyback), sealed and stuffed. About 85dB

The MAD1259 is the latest version of the famous NHT1259 woofer. The woofer is still made by Foster, but some of the original parts are no longer available. Since the new driver is not similar enough to the old driver, we have changed the name.



5% off on 4 or more pieces of the same item.



Morel Tweeters									
Model					Imp. Ω	Fs Hz	Nom. Power	dB 2.83V/m	Price Each
ST1108 Supreme 110mm flange, 28mm soft dome tweeter, Hexatech VC					8	680	220	91.5	\$218.00
ST1308 Supreme 130mm flange, 28mm soft dome tweeter, Hexatech VC					8	680	220	91.5	\$231.00
ET448 Elite 72mm flange, 28mm soft dome, double neodymium magnet					8	750	120	92	\$104.00
ET338 Elite 110mm flange, 28mm soft dome tweeter, double magnet					8	750	200	92.5	\$153.00
ET338-104 Elite 104mm flange, 28mm soft dome tweeter, double magnet					8	700	200	92.5	\$146.00
MDT12 28mm dome tweeter w/ Neodymium magnet, 2.13" sq, 0.6" deep					8	1000	80	89	\$31.00
MDT20 28mm dome tweeter					8	650	120	90	\$33.00
MDT22 28mm dome tweeter w/ chamber and neodymium magnet					8	650	80	89	\$33.00
MDT29 28mm dome tweeter					8	900	80	89	\$47.00
MDT30S 28mm dome tweeter					8	700	200	90	\$68.00
MDT32S 28mm dome tweeter with 110mm flange					8	700	200	90	\$73.00
MDT37 28mm horn loaded dome tweeter					8	700	200	93	\$65.00
MDT39 28mm dome tweeter, chambered					8	750	80	88	\$52.00
MDT40 28mm dome tweeter, Neodymium magnet					8	750	120	89	\$72.00
MDT44 28mm dome tweeter, Double Neodymium magnet					8	750	120	91	\$97.00
R-29 & R-39 Voice Coil for MDT29 & Voice Coil for MDT39									\$13.00
R-30 Voice Coil for MDT30S; R-40 Voice Coil for MDT40									\$18.00
R-32/33 Voice Coil for MDT32S & MDT33 & Supreme; R-37 Voice Coil for MDT37; R-44 Voice Coil for MDT44									\$20.00
Midranges									
EM1308 Elite 130mm flange, 54mm soft dome, neodymium magnet					8	320	200	88	\$139.00
MDM55 87mm square flange, 54mm soft dome, neodymium magnet					8	380	200	90.5	\$86.00
Woofers									
Model	Imp. Ω	Fs Hz	Qts	Vas liters	Nom. Power	Efficiency 2.83V/1m	Box Liters Sealed/Vented	F3 Hz	Price Each
EM428 Elite 4" Poly cone, Neo. magnet	4 or 8	68	.41	3.5	150	87 (8Ω)	3V / 1S	75 / 130	\$126.00
MW113 4" Poly cone woofer	8	72	.75	4.3	150	87	10S	70	\$84.00
MW144 5" Poly cone woofer	4 or 8	52	.55	8	150	88	8S	67	\$94.00
MW164 6" Doped Paper cone woofer	4 or 8	48	.55	14.3	150	86	20 S	62	\$107.00
MW166 6" Poly cone woofer	4 or 8	48	.58	15.6	150	86	14 to 28 S	57 to 55	\$107.00
MW168 6" Poly cone woofer, low Q	4 or 8	44	.41	16	150	88	14V / 8S	44 / 77	\$107.00
MW265 8" Poly cone woofer, low Q	4 or 8	30	.61	61	150	89	60 to 90S	36 to 35	\$116.00
MW266 8" Doped Paper cone woofer	4 or 8	29	.56	80	150	89	56-100S	38-36	\$116.00
MW1075 10" Poly cone woofer	8	29	.62	123	180	89	90S	35	\$144.00
HU Cast Frame Uniflow Woofers - Neodymium & Ferrite Hybrid Magnet System									
HU521 5" Poly cone bass/midrange	8	46	.37	9.9	160	88	7V/4S	51 / 85	\$124.00
HU531 5" Paper cone bass/midrange	8	46	.37	9.9	180	86	6V/4S	55 / 88	\$127.00
HU621 6" Poly cone woofer	8	43	.38	27	160	90	18V/11S	50 / 80	\$143.00
HU631 6" Poly cone woofer	8	44	.36	16.9	180	88	10V/6S	53 / 86	\$145.00
HU9.1 8" Poly cone woofer	8	30	.36	71	200	89	43V / 25S	36 / 59	\$157.00

IDR™ Many of the tweeters have been redesigned with the new **IDR™ Improved Dispersion Recess** face plates. As the name implies, both the on and off axis dispersion of the tweeters is greatly improved.

Hexatech: Hexatech's honeycomb voice coil structure reduces air gaps and increases efficiency by up to 20%. The lightweight structure allows for the quick transient response necessary for accurate music reproduction.

Acuflex™ coating: Acuflex is a specially engineered material that ensures good damping, reduces distortion levels and unwanted resonances, and provides crystal clear sound.

External Voice Coil (EVC): Morel's woofer voice coils are three times larger than those found in conventional speakers with the same cone diameter. The extremely light and efficient voice coil optimizes the translation from electrodynamic energy to acoustic energy. This topology also allows for some of the shallowest woofers available.

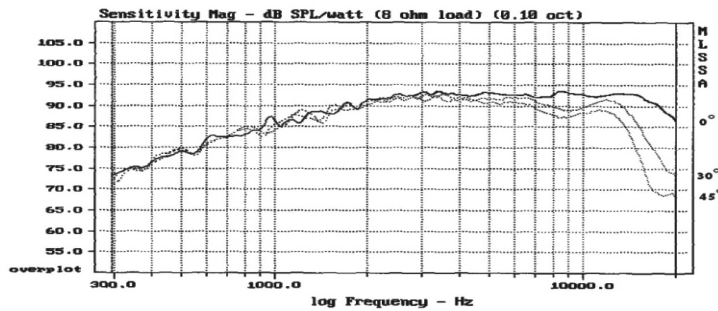
ST1108 Tweeter



- 1" textile Acuflex dome
- Neodymium flat pancake magnet
- IDR Face plate
- Rear chamber
- Hexatech VC
- 1400 to 22,000Hz
- Flange 110mm (4.33")
- Cut-out 75mm (2.95")
- Depth 37mm (1.46")

Znom	8	ohm
Re	5.2	ohm
Le@1kHz	0.09	mH
fs	680	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	0.44	g
Cms	-	mm/N

Sd	6.0	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	0.75	mm peak
VC Ø	28	mm
Sensitivity		
1W / 1m	91.5	dB
Nom. Power DIN	220	W
Net weight	0.45	kg



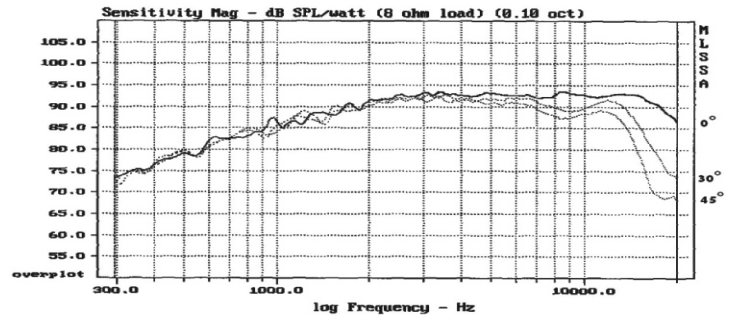
ST1308 Tweeter



- 1" textile Acuflex dome
- Neodymium flat pancake magnet
- IDR Face plate
- Hexatech voice coil
- 1400 to 20,000Hz
- Chambered back
- Flange 130mm (5.12")
- Cut-out 104mm (4.09")
- Depth 37mm (1.46")

Znom	8	ohm
Re	5.2	ohm
Le@1kHz	0.09	mH
fs	680	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	0.44	g
Cms	-	mm/N

Sd	6.0	cm ²
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	28	mm
Sensitivity		
1W / 1m	91.5	dB
Nom. Power DIN	220	W
Net weight	0.52	kg



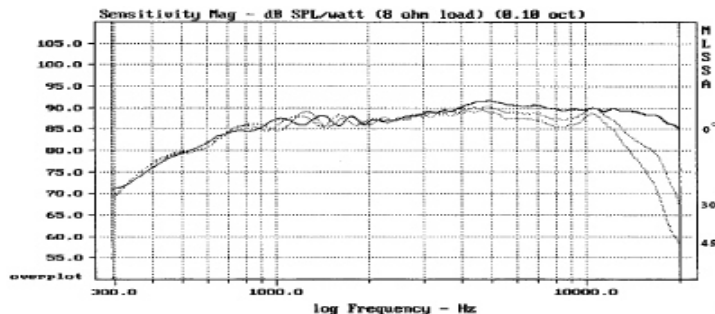
ET448 Tweeter



- 1" textile Acuflex dome
- Double neodymium magnets
- IDR Face plate
- Rear chamber
- Ferrofluid cooled
- 2,200 to 22,000Hz
- Flange 72mm Ø (2.83")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8	ohm
Re	5.2	ohm
Le@1kHz	0.05	mH
fs	750	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	0.44	g
Cms	-	mm/N

Sd	6.0	cm ²
BL	2.3	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	28	mm
Sensitivity		
1W / 1m	92	dB
Nom. Power DIN	120	W
Net weight	0.10	kg



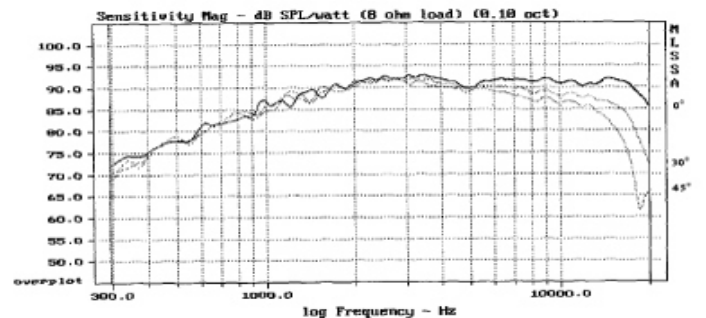
ET338-104 Tweeter



- 1" textile Acuflex dome
- Triple magnet
- IDR Face plate
- Replaceable voice coil
- Hexatech voice coil
- 1,800 to 20,000Hz
- Chambered back
- **Flange 104mm (4.09")**
- Cut-out 76mm (3.00")
- Depth 63mm (2.48")

Znom	8	ohm
Re	5.2	ohm
Le@1kHz	0.09	mH
fs	700	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	0.44	g
Cms	-	mm/N

Sd	6.0	cm ²
BL	6.3	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	28	mm
Sensitivity		
1W / 1m	92.5	dB
Nom. Power DIN	200	W
Net weight	1.08	kg

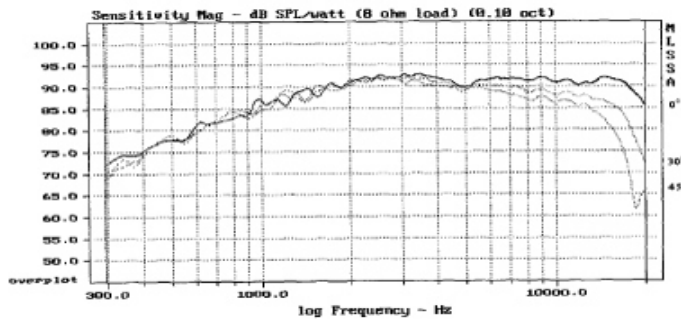


ET338 Tweeter



- 1" textile Acuflex dome
- Triple magnet
- IDR Face plate
- Replaceable voice coil
- Hexatech voice coil
- 1,800 to 20,000Hz
- Chambered back
- **Flange 110mm (4.33")**
- **Cut-out 76mm (3.00")**
- **Depth 63mm (2.48")**

Znom	8 ohm	Sd	6.0 cm ²
Re	5.2 ohm	BL	6.3 N/A
Le@1kHz	0.09 mH	Vas	- ltrs
fs	700 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	92.5 dB
Mms	0.44 g	Nom. Power DIN	200 W
Cms	- mm/N	Net weight	1.08 kg

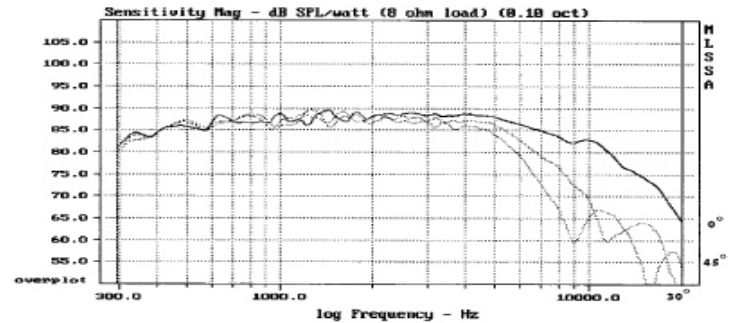


EM1308 Midrange



- 2" textile Acuflex dome
- Hand coated dome
- IDR Face plate
- 500 to 5,000Hz
- Hexatech voice coil
- Gold-plated terminals
- Rear chamber
- **Flange 130mm (5.12")**
- **Cut-out 76mm (3.00")**
- **Depth 118mm (4.65")**

Znom	8 ohm	Sd	28.0 cm ²
Re	6.2 ohm	BL	5.2 N/A
Le@1kHz	0.20 mH	Vas	- ltrs
fs	320 Hz	Xmax	1 mm peak
Qms	0.9	VC Ø	54 mm
Qes	1.01	Sensitivity	
Qts	0.47	1W / 1m	88 dB
Mms	3.0 g	Nom. Power DIN	200 W
Cms	- mm/N	Net weight	0.52 kg

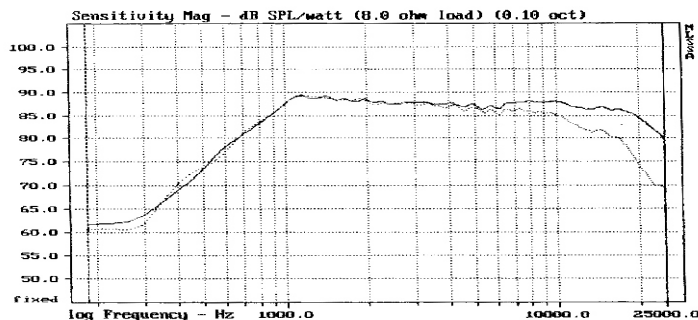


MDT12 Tweeter



- 1" textile dome tweeter
- Ferrofluid cooled
- Neodymium magnet
- Replaceable voice coil
- Magnetically shielded
- Gold-plated terminals
- **Flange 54mm sq (2.13")**
- **Cut-out 44mm Ø (1.73")**
- **Depth 15.5mm (0.61")**

Znom	8 ohm	Sd	6.0 cm ²
Re	5.2 ohm	BL	2.8 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	1000 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89 dB
Mms	0.47 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.08 kg

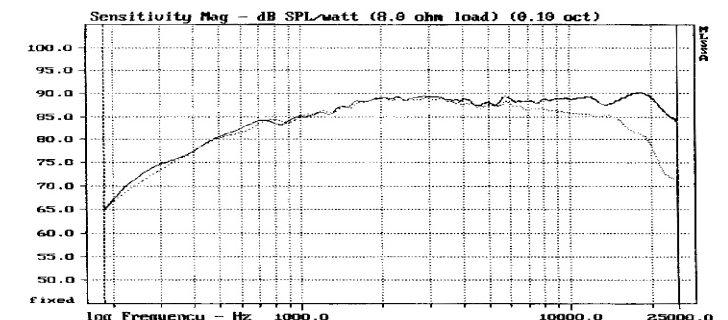


MDT20 Tweeter



- 1" textile dome tweeter
- Rear chamber
- Replaceable voice coil
- Ferrofluid cooled
- Polymer face-plate
- Low Fs
- Gold plated terminals
- **Flange 104mm (4.09")**
- **Cut-out 73mm (2.87")**
- **Depth 43mm (1.69")**

Znom	8 ohm	Sd	6.0 cm ²
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.5 g	Nom. Power DIN	120 W
Cms	- mm/N	Net weight	0.55 kg

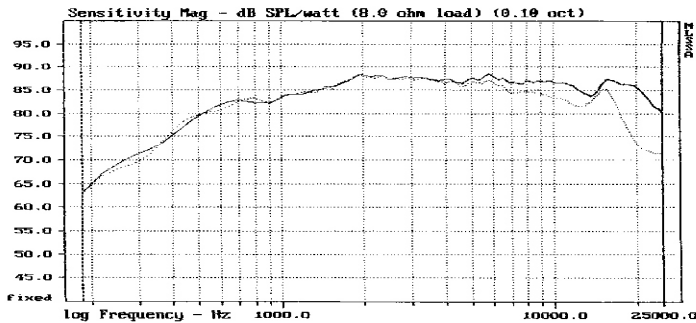


MDT22 Tweeter



- 1" textile dome tweeter
- Neodymium magnet
- Magnetically shielded
- Rear chamber
- Ferrofluid cooled
- Gold-plated terminals
- Replaceable voice coils
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8	ohm	Sd	6.0	cm ²
Re	5.2	ohm	BL	2.8	N/A
Le@1kHz	0.05	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	0.89		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	89	dB
Mms	0.47	g	Nom. Power DIN	80	W
Cms	-	mm/N	Net weight	0.09	kg

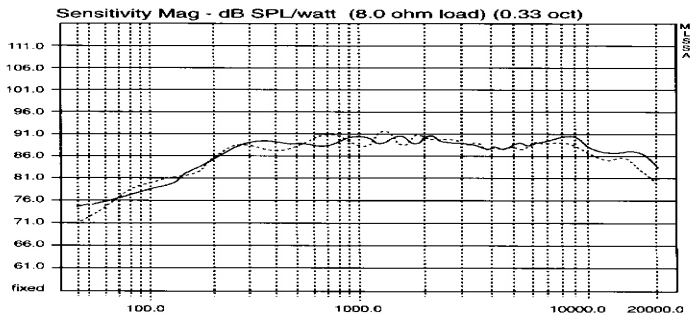


MDT29 Tweeter



- 1" textile dome tweeter
- Ferrofluid cooled
- Replaceable voice coil
- Aluminum face-plate
- Hand treated dome
- Gold-plated terminals
- Flange 94mm (3.7")
- Cut-out 78mm (2.83")
- Depth 27mm (1.06")

Znom	8	ohm	Sd	6.0	cm ²
Re	5.2	ohm	BL	3.3	N/A
Le@1kHz	0.05	mH	Vas	-	ltrs
fs	900	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	89	dB
Mms	0.5	g	Nom. Power DIN	80	W
Cms	-	mm/N	Net weight	0.54	kg

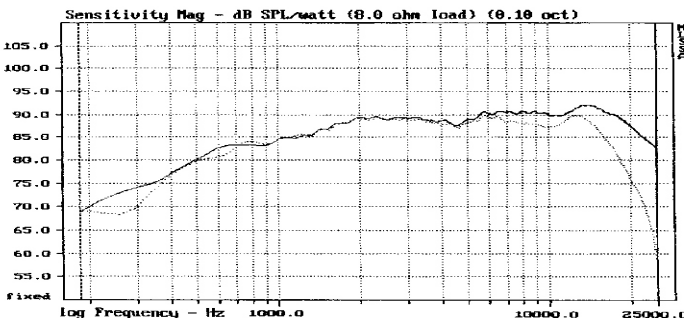


MDT30S Tweeter



- 1" textile dome tweeter
- Hand coated dome
- Ferrofluid cooled
- Replaceable voice coils
- Aluminum face-plate
- Gold-plated terminals
- Rear chamber
- Flange 94mm (3.7")
- Cut-out Ø 73mm (2.87")
- Depth 43mm (1.69")

Znom	8	ohm	Sd	6.0	cm ²
Re	5.2	ohm	BL	3.5	N/A
Le@1kHz	0.09	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	0.44	g	Nom. Power DIN	200	W
Cms	-	mm/N	Net weight	0.56	kg

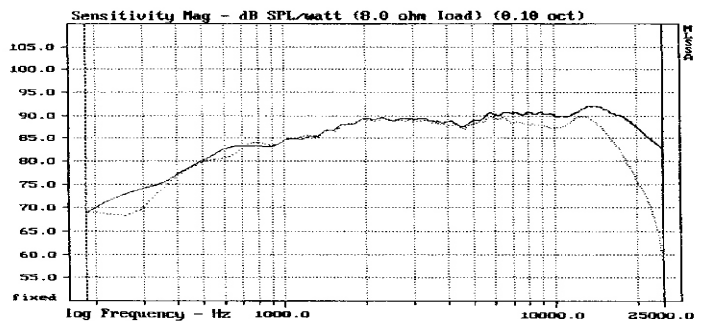


MDT32S Tweeter



- 1" textile dome tweeter
- Hand coated dome
- Ferrofluid cooled
- Replaceable voice coils
- Aluminum face-plate
- Gold-plated terminals
- Rear chamber
- Flange 110mm (4.33")
- Cut-out Ø 73mm (2.87")
- Depth 43mm (1.69")

Znom	8	ohm	Sd	6.0	cm ²
Re	5.2	ohm	BL	3.5	N/A
Le@1kHz	0.09	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	0.44	g	Nom. Power DIN	200	W
Cms	-	mm/N	Net weight	0.56	kg

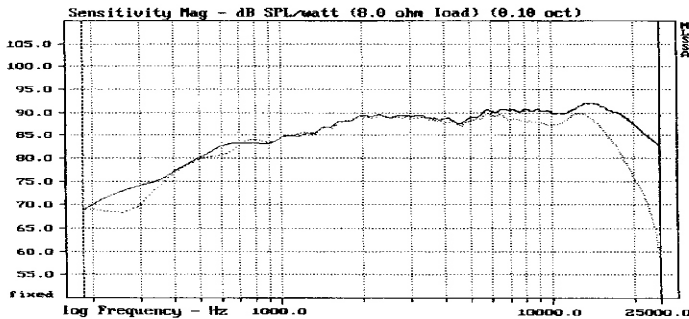


DMS30S Tweeter



- 1" textile dome tweeter
- Hand coated dome
- Ferrofluid cooled
- Replaceable voice coil
- Gold-plated terminals
- Magnetically shielded
- Rear chamber
- Flange 94mm (3.7")
- Cut-out 73mm (2.87")
- Depth 43mm (1.69")

Znom	8	ohm	Sd	6.0	cm ²
Re	5.2	ohm	BL	3.5	N/A
Le@1kHz	0.05	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	0.44	g	Nom. Power DIN	200	W
Cms	-	mm/N	Net weight	0.66	kg

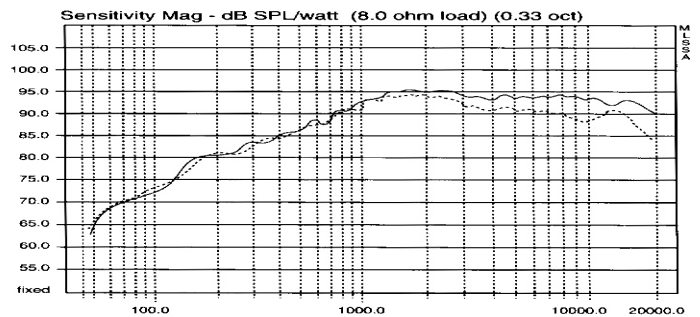


MDT37 Tweeter



- 1" textile dome tweeter
- Horn loaded face-plate
- Hexatech voice coil
- Ferrofluid cooled
- Replaceable voice coil
- Gold-plated terminals
- High efficiency
- Flange 94mm (3.7")
- Cut-out 72mm (2.83")
- Depth 54mm (2.28")

Znom	8	ohm	Sd	6.0	cm ²
Re	5.2	ohm	BL	3.5	N/A
Le@1kHz	0.09	mH	Vas	-	ltrs
fs	700	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	93	dB
Mms	0.44	g	Nom. Power DIN	200	W
Cms	-	mm/N	Net weight	0.56	kg

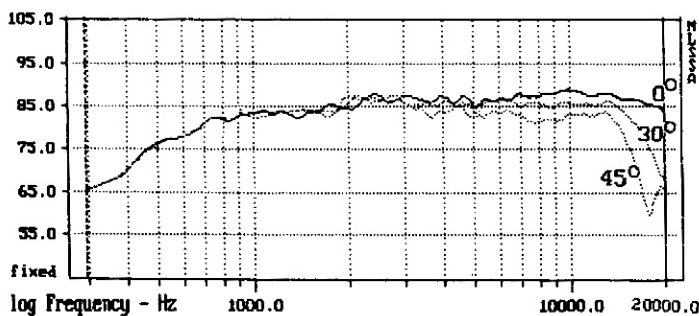


MDT39 Tweeter



- 1" textile dome tweeter
- Compact size
- Neodymium magnet
- Rear chamber
- Ferrofluid cooled
- Magnetically shielded
- Smooth response
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8	ohm	Sd	7.0	cm ²
Re	5.2	ohm	BL	2.6	N/A
Le@1kHz	0.06	mH	Vas	-	ltrs
fs	750	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	88	dB
Mms	0.46	g	Nom. Power DIN	80	W
Cms	-	mm/N	Net weight	0.09	kg

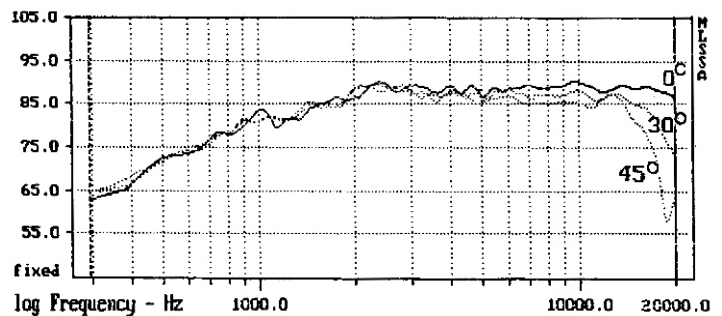


MDT40 Tweeter



- 1" textile dome tweeter
- Hexatech voice coil
- Neodymium magnet
- Rear chamber
- Replaceable voice coil
- Ferrofluid cooled
- Magnetically shielded
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8	ohm	Sd	7.0	cm ²
Re	5.2	ohm	BL	2.9	N/A
Le@1kHz	0.05	mH	Vas	-	ltrs
fs	750	Hz	Xmax	-	mm peak
Qms	-		VC Ø	28	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	89	dB
Mms	0.46	g	Nom. Power DIN	120	W
Cms	-	mm/N	Net weight	0.09	kg



MDT44 Tweeter



- 1" textile dome tweeter
- Hexatech voice coil
- Double neodymium magnet - Shielded
- Rear chamber
- Replaceable voice coil
- Ferrofluid cooled
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8	ohm
Re	5.1	ohm
Le@1kHz	0.05	mH
fs	750	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	0.46	g
Cms	-	mm/N

Sd	7.0	cm ²
BL	4.3	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	28	mm
Sensitivity		
1W / 1m	91	dB
Nom. Power DIN	120	W
Net weight	0.09	kg

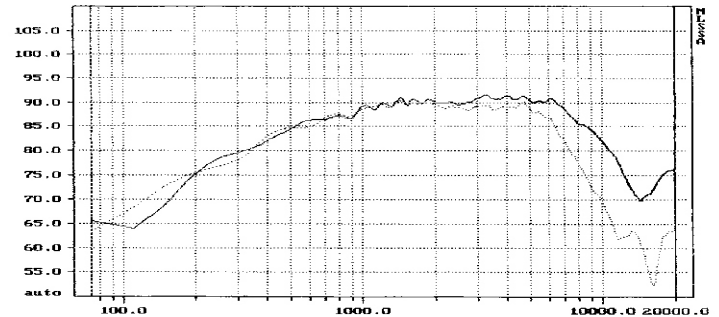
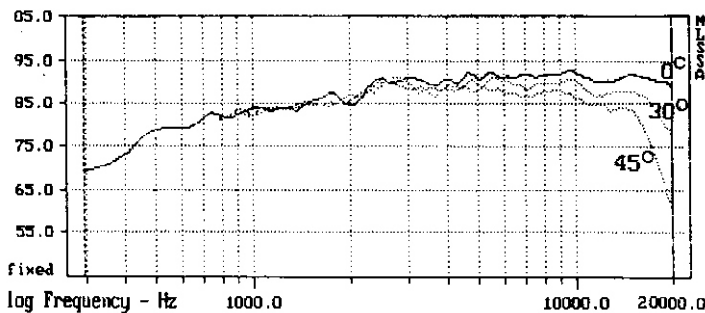
MDM55 Midrange



- 2" textile dome midrange
- Neodymium magnet
- Rear chamber
- Magnetically shielded
- Gold-plated terminals
- Hexatech voice coil
- Flange 87mm sq (3.43")
- Cut-out 75mm Ø (2.95")
- Depth 82mm (3.23")

Znom	8	ohm
Re	6.3	ohm
Le@1kHz	0.19	mH
fs	380	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	2.2	g
Cms	-	mm/N

Sd	28.0	cm ²
BL	5.2	N/A
Vas	-	ltrs
Xmax	1.0	mm peak
VC Ø	54	mm
Sensitivity		
1W / 1m	90.5	dB
Nom. Power DIN	200	W
Net weight	0.3	kg



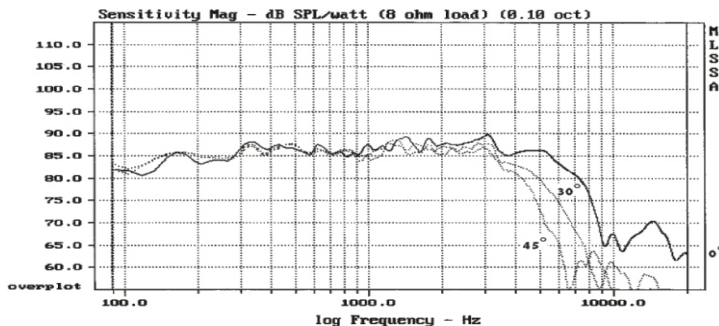
EM428 4" Mid (MW114S)



- 4" Damped Polymer Composite cone
- Neodymium magnet
- Hexatech voice coil
- Shielded magnet
- Rubber surround
- Small & powerful
- Flange 118mm (4.64")
- Cut-out 94mm (3.7")
- Depth 58mm (2.28")

Znom	8	ohm
Re	5.4	ohm
Le@1kHz	0.36	mH
fs	68	Hz
Qms	3.03	
Qes	0.48	
Qts	0.41	
Mms	6.55	g
Cms	0.88	mm/N

Sd	57.0	cm ²
BL	5.4	N/A
Vas	3.50	ltrs
Xmax	3.0	mm peak
VC Ø	54	mm
Sensitivity		
1W / 1m	87	dB
Nom. Power DIN	150	W
Net weight	0.5	kg



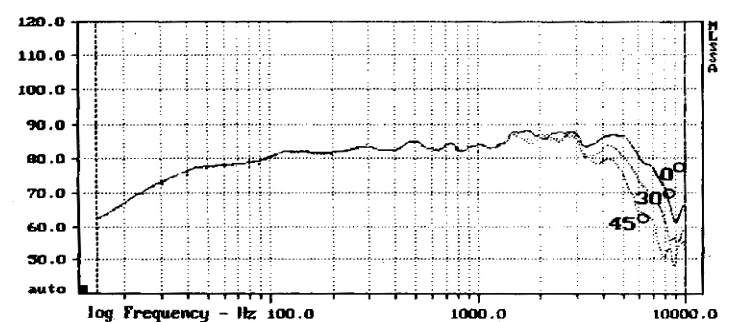
MW113 4" Woofer



- 4" Damped Polymer Composite cone
- 54mm Hexatech voice coil
- Rubber surround
- Triple magnet system
- Magnetically shielded
- Flange 118mm (4.64")
- Cut-out 95mm (3.75")
- Depth 58mm (2.28")

Znom	8	ohm
Re	6.2	ohm
Le@1kHz	0.25	mH
fs	72	Hz
Qms	3.13	
Qes	1.03	
Qts	0.75	
Mms	5.54	g
Cms	0.84	mm/N

Sd	53.0	cm ²
BL	3.98	N/A
Vas	4.3	ltrs
Xmax	3.0	mm peak
VC Ø	54	mm
Sensitivity		
1W / 1m	87	dB
Nom. Power DIN	150	W
Net weight	0.5	kg

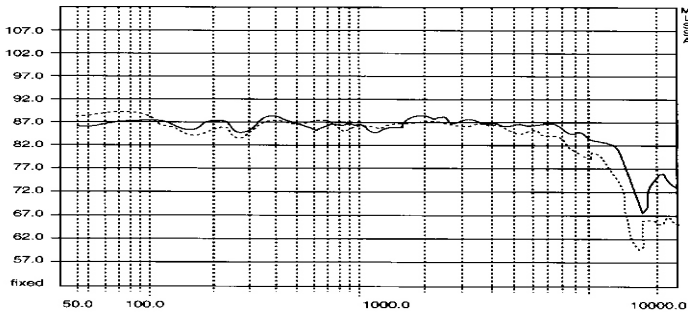


MW144 5" Woofer



- 5" Damped Polymer Composite cone
- Double magnet
- Hexatech voice coil
- Vented magnet system
- Rubber surround
- Low magnetic field
- Flange 142mm (5.59")
- Cut-out 118mm (4.65")
- Depth 52mm (2.04")

Znom	8 ohm	Sd	90.0 cm ²
Re	5.2 ohm	BL	6.2 N/A
Le@1kHz	0.38 mH	Vas	8.0 ltrs
fs	52 Hz	Xmax	3.5 mm peak
Qms	2.44	VC Ø	75 mm
Qes	0.71	Sensitivity	
Qts	0.55	1W / 1m	88 dB
Mms	13.7 g	Nom. Power DIN	150 W
Cms	0.69 mm/N	Net weight	1.0 kg

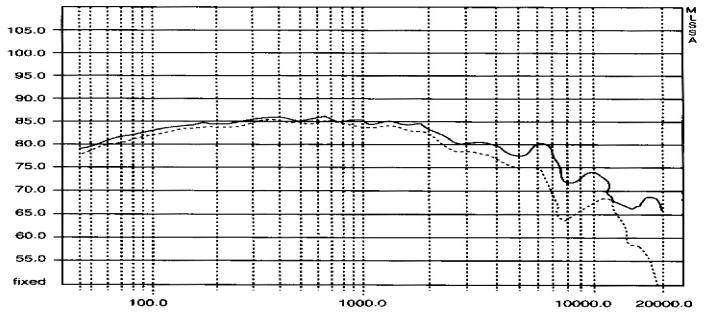


MW164 6" Woofer



- 6" Polymer coated paper cone
- Double magnet
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Ventilated spider
- Flange 160mm (6.3")
- Cut-out 136mm (5.4")
- Depth 67mm (2.63")

Znom	8 ohm	Sd	119.0 cm ²
Re	6.3 ohm	BL	6.57 N/A
Le@1kHz	0.66 mH	Vas	14.34 ltrs
fs	48 Hz	Xmax	4.25 mm peak
Qms	2.55	VC Ø	75 mm
Qes	0.70	Sensitivity	
Qts	0.55	1W / 1m	86 dB
Mms	14.9 g	Nom. Power DIN	150 W
Cms	0.69 mm/N	Net weight	1.1 kg

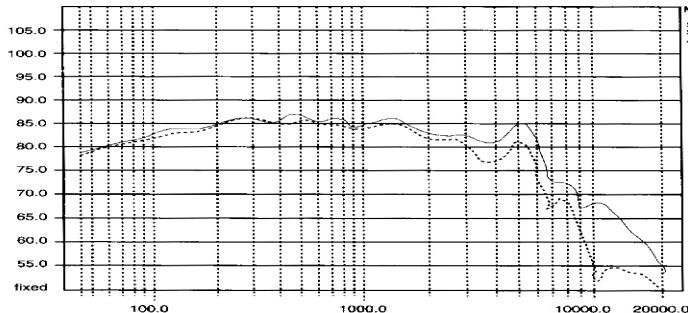


MW166 6" Woofer



- 6" Damped polymer composite cone
- Double magnet
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Ventilated spider
- Flange 160mm (6.3")
- Cut-out 136mm (5.4")
- Depth 67mm (2.63")

Znom	8 ohm	Sd	119.0 cm ²
Re	6.7 ohm	BL	6.84 N/A
Le@1kHz	0.61 mH	Vas	15.6 ltrs
fs	46 Hz	Xmax	4.25 mm peak
Qms	2.79	VC Ø	75 mm
Qes	0.74	Sensitivity	
Qts	0.58	1W / 1m	86 dB
Mms	16.3 g	Nom. Power DIN	150 W
Cms	0.78 mm/N	Net weight	1.1 kg

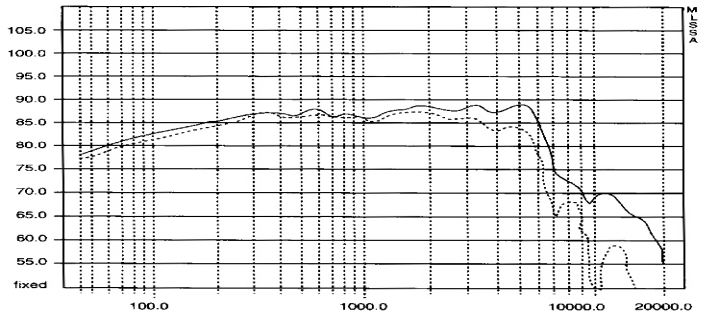


MW168 6" Woofer



- 6" Damped polymer composite cone
- Double magnet
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Ventilated spider
- Flange 160mm (6.3")
- Cut-out 136mm (5.4")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	119.0 cm ²
Re	5.2 ohm	BL	6.55 N/A
Le@1kHz	0.51 mH	Vas	16.0 ltrs
fs	44 Hz	Xmax	3.5 mm peak
Qms	2.09	VC Ø	75 mm
Qes	0.50	Sensitivity	
Qts	0.41	1W / 1m	88 dB
Mms	14.0 g	Nom. Power DIN	150 W
Cms	0.80 mm/N	Net weight	0.80 kg

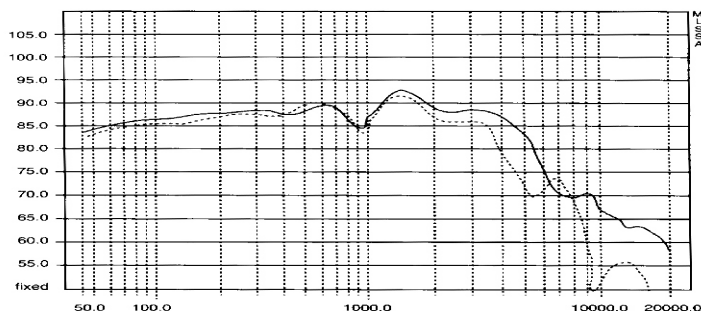


MW265 8" Woofer



- 8" Damped polymer composite cone
- Rubber surround
- Hexatech voice coil
- Double magnet
- Shallow profile
- Low magnetic field
- Flange 222mm (8.75")
- Cut-out 195mm (7.68")
- Depth 69mm (2.7")

Znom	8 ohm	Sd	219.0 cm ²
Re	5.2 ohm	BL	6.3 N/A
Le@1kHz	0.58 mH	Vas	61 ltrs
fs	30 Hz	Xmax	3.5 mm peak
Qms	2.79	VC Ø	75 mm
Qes	0.79	Sensitivity	
Qts	0.61	1W / 1m	89 dB
Mms	25.5 g	Nom. Power DIN	150 W
Cms	0.92 mm/N	Net weight	1.2 kg

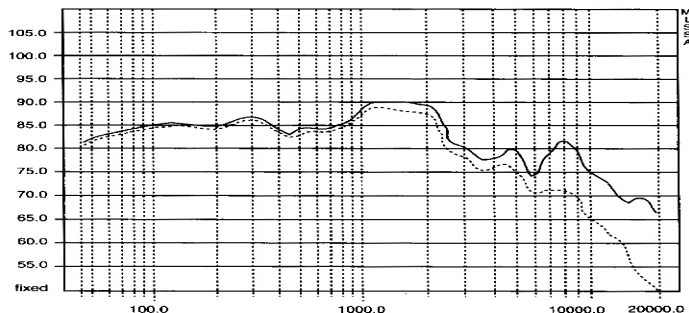


MW266 8" Woofer



- 8" Polymer coated paper cone
- Rubber surround
- Hexatech voice coil
- Double magnet
- Shallow profile
- Low magnetic field
- Flange 222mm (8.75")
- Cut-out 195mm (7.68")
- Depth 69mm (2.7")

Znom	8 ohm	Sd	219.0 cm ²
Re	6.3 ohm	BL	6.25 N/A
Le@1kHz	0.54 mH	Vas	80 ltrs
fs	29 Hz	Xmax	4.25 mm peak
Qms	2.45	VC Ø	75 mm
Qes	0.73	Sensitivity	
Qts	0.56	1W / 1m	89 dB
Mms	24.9 g	Nom. Power DIN	150 W
Cms	1.19 mm/N	Net weight	1.2 kg

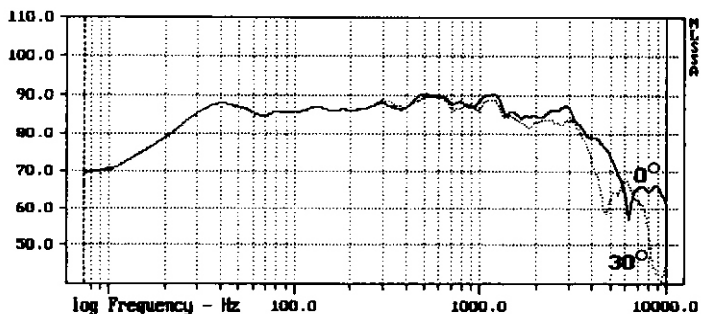


MW1075 10" Woofer



- 10" Damped polymer composite cone
- Polymer treated foam surround
- Double magnet
- Low magnetic field
- Hexatech voice coil
- Flange 263mm (10.35")
- Cut-out 230mm (9.06")
- Depth 80mm (3.13")

Znom	8 ohm	Sd	324.0 cm ²
Re	6.3 ohm	BL	6.3 N/A
Le@1kHz	0.63 mH	Vas	123 ltrs
fs	29 Hz	Xmax	4.25 mm peak
Qms	2.48	VC Ø	75 mm
Qes	0.83	Sensitivity	
Qts	0.62	1W / 1m	89 dB
Mms	32.6 g	Nom. Power DIN	180 W
Cms	0.84 mm/N	Net weight	1.34 kg

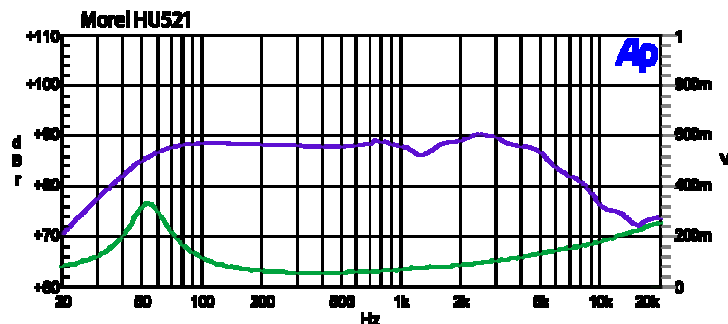


HU521 5" Uniflow



- 5" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 145mm (5.7")
- Cut-out 124mm (4.88")
- Depth 68mm (2.68")

Znom	8 ohm	Sd	84.0 cm ²
Re	5.6 ohm	BL	6.6 N/A
Le@1kHz	0.53 mH	Vas	9.9 ltrs
fs	46 Hz	Xmax	3.5 mm peak
Qms	2.24	VC Ø	54 mm
Qes	0.46	Sensitivity	
Qts	0.37	1W / 1m	88 dB
Mms	12.2 g	Nom. Power DIN	160 W
Cms	0.98 mm/N	Net weight	1.1 kg

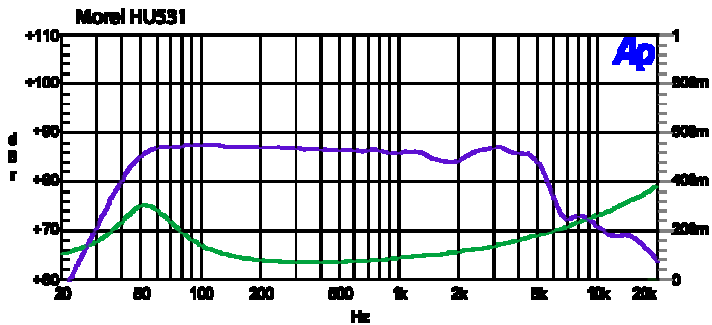


HU531 5" Uniflow



- 5" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 145mm (5.7")
- Cut-out 124mm (4.88")
- Depth 68mm (2.68")

Znom	8 ohm	Sd	84.0 cm ²
Re	6.8 ohm	BL	7.2 N/A
Le@1kHz	0.63 mH	Vas	9.9 ltrs
fs	46 Hz	Xmax	3.5 mm peak
Qms	1.84	VC Ø	75 mm
Qes	0.46	Sensitivity	
Qts	0.37	1W / 1m	86 dB
Mms	12.2 g	Nom. Power DIN	180 W
Cms	0.98 mm/N	Net weight	1.15 kg

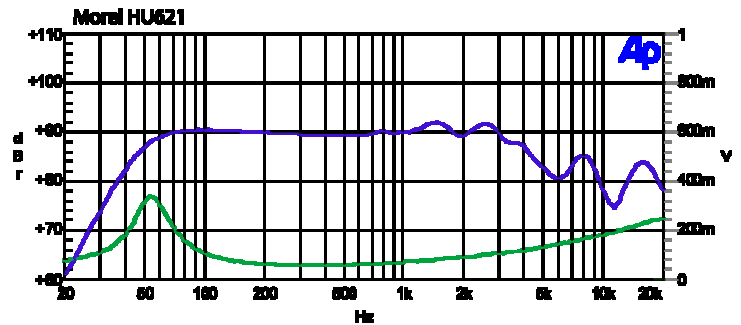


HU621 6" Uniflow



- 6" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 160mm (6.3")
- Cut-out 141mm (5.55")
- Depth 68mm (2.68")

Znom	8 ohm	Sd	119.0 cm ²
Re	5.6 ohm	BL	5.9 N/A
Le@1kHz	0.53 mH	Vas	27.0 ltrs
fs	43 Hz	Xmax	3.5 mm peak
Qms	2.34	VC Ø	54 mm
Qes	0.45	Sensitivity	
Qts	0.38	1W / 1m	90 dB
Mms	10.0 g	Nom. Power DIN	160 W
Cms	1.34 mm/N	Net weight	1.2 kg

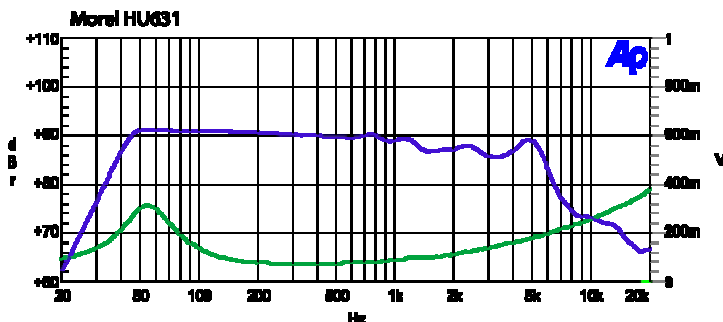


HU631 6" Uniflow



- 6" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 160mm (6.3")
- Cut-out 141mm (5.5")
- Depth 68mm (2.68")

Znom	8 ohm	Sd	119.0 cm ²
Re	6.8 ohm	BL	7.5 N/A
Le@1kHz	0.63 mH	Vas	16.9 ltrs
fs	44 Hz	Xmax	4.25 mm peak
Qms	1.66	VC Ø	75 mm
Qes	0.46	Sensitivity	
Qts	0.36	1W / 1m	88 dB
Mms	13.6 g	Nom. Power DIN	180 W
Cms	0.96 mm/N	Net weight	1.18 kg

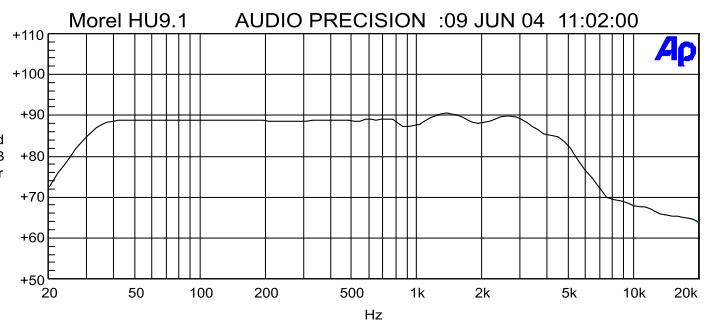


HU9.1 8" Uniflow



- 8" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Flange 222mm (8.75")
- Cut-out 199mm (7.83")
- Depth 70mm (2.75")

Znom	8 ohm	Sd	219.0 cm ²
Re	6.6 ohm	BL	8.3 N/A
Le@1kHz	0.87 mH	Vas	71.0 ltrs
fs	30 Hz	Xmax	4.25 mm peak
Qms	1.71	VC Ø	75 mm
Qes	0.46	Sensitivity	
Qts	0.36	1W / 1m	89 dB
Mms	23.5 g	Nom. Power DIN	200 W
Cms	1.055mm/N	Net weight	1.42 kg





Model	Imp. Ω	Fs Hz	Qts	Vas Ltrs	Power Watts	dB	Xmax mm P	Box Liter Sealed/Vented	F3 Hz	Price Each
TWEETERS										
810921: 104 DT 26 72 SF HDS DM (HDS 1" dome)	8	700				93	0.5			\$59.30
FULL RANGE										
830970: 2" aluminum cone full range	4	147.5	0.57	0.2	60	85	1.7	0.5S	225	\$17.35
830986: 3" aluminum cone full range	8	83.8	0.59	1.8	80	83.8	2.0	2.0S	110	\$14.55
HDS EXCLUSIVE SERIES WOOFERS - Paper cone, phase plug, cast frame with raised spider										
830881: 106 WR 26 81 NWP AL CU PH, Truncated 4"	8	81.2	0.45	2		84	3.5	1.5S / 2V	130/81	\$61.80
831882: 152 WR 26 90 NWP AL CU PH, 5.75"	8	64.5	0.39	7.2		88.2	3.5	3S / 7V	115/65	\$66.20
830883: 180 WR 33 102 NWP AL CU PH LS, 7"	8	52.3	0.43	13		87.5	5.5	7S / 10V	87/55	\$76.05
830884: 205 WR 102 NWP AL CU PH LS, truncated, 8"	8	32.4	0.38	68.8		89.3	5.5	28S / 44V	60/39	\$81.50
HDS SERIES PPB WOOFERS - Polypropylene cone, cast frame with raised spider										
830854: 106 WR 26 72 PPB AL TV, shielded, truncated, 4"	8	75.7	0.46	3.2		86.8	3	2.5S / 3V	115/75	\$54.80
830870: 106 WR 26 81 PPB AL, truncated, 4"	8	77.6	0.54	3		87	3	4S	100	\$50.20
830860: 134 WR 26 90 PPB AL, truncated, 5.25"	8	56.1	0.41	10.6		88.3	3.5	5.5S / 8V	95/60	\$50.25
830874: 164 WR 33 102 PPB AL LS, truncated, 6.5"	8	47.3	0.40	16.7		87.8	5.5	8S / 14V	80/48	\$57.95
830868: 205 WR 33 102 PPM AL 4L LS, truncated, 8"	8	32.5	0.40	63.4		90.1	5.5	28S / 43V	58/37	\$67.70
HDS NOMEX SERIES WOOFERS - Nomex fiber cone, cast frame with raised spider										
832873: 134 WR 26 90 NWP AL, truncated, 5.25"	8	58.6	0.38	8.7		88.3	3.5	3.7S / 6V	105/65	\$51.70
830875: 164 WR 33 102 NWP AL LS , truncated, 6.5"	8	48.1	0.39	17.6		88.6	5.5	8S / 12V	85/53	\$58.50
830869: 205 WR 33 102 NWP AL 4L LS , truncated, 8"	8	30.0	0.38	70.3		89.7	4.5	28S / 45V	55/36	\$65.60
SDS WOOFERS - Coated Paper cone, stamped frame										
830856: Mini Woofer, truncated, shielded, 3.5"	8	62.4	0.35	3.3		85.7	3	see below		\$39.65
830878: Passive Radiator, truncated, 3.5"	Tymphany recommends using two of these passive with the 830856 in 3.5 liters.									\$13.20
830887: Mini Woofer, truncated, shielded, 5.25"	8	61.5	0.42	8.6		88.5	3.5	see below		\$37.70
830880: Passive Radiator, truncated, 5.25"	Tymnphany recommends using two of these passives with the 830878 in 5 liters.									\$14.50
SLS SUBWOOFERS - Hard Paper cone, stamped frame, shorting ring, raised spider										
830946: 182 SWR 39 115 THSX AL 4L, 6.5"	4	36.1	0.31	12.7		86.5	8	11V	45	\$44.85
830667: 213 SWR 39 115 THSX AL 2L, 8"	8	36.5	0.54	33.1		87.2	8.5	50S / 45V	47/31	\$59.55
830668: 263 SWR 39 115 THSX AL 4L , 10"	8	33.3	0.51	69.3		88.7	8	75S / 83V	46/30	\$61.95
830669: 315 SWR 39 134 THSX AL 4L , 12"	8	28.0	0.47	172.4		91.2	8	90S / 127V	40/30	\$71.65
XLS LINE SUBWOOFERS - Extra Long Stroke - Cast Frame - Active & Passive Drivers										
830452: 269 SWR 51 147 NX ALP 4L XLS (10" woofer)	5	18.6	.17	80.2	200	88.4	+12.5	35 w/passive	20	\$168.55
830481: 10" Passive Radiator 400 gram, threaded hole. Fs 11.2, Vas 80, Mms 400g, Sd 333 cm², X-max 22 mm, Cms 508 m/N										\$82.90
830500: 308 SWR 51 147 NX ALP 4L XLS (12" woofer)	5	17.8	.21	136.8	200	90.6	+12.5	42 w/passive	20	\$191.70
830548: 12" Passive Radiator 425 gram, threaded hole. Fs 10.4, Vas 169.6, Mms 425g, Sd 466 cm², X-max 24 mm, Cms 550 m/N										\$106.00
XXLS LINE SUBWOOFERS - Extra Extra Long Stroke - Cast Frame										
830846: 269 SWR 51 147 NWP ALP DVC, 10"	8/8	24.3	0.33	81.8	175	91	12.5	50V	30	\$187.90
830843: 269 SWR 51 147 NWP ALP 4L, 10"	8	25	0.44	86.7	175	87.2	12.5	60S	40	\$175.80
830842: 269 SWR 51 147 NWP ALP 4L, 10" , use passive	4	19.2	0.19	88.4	175	88.4	12.5	20 w/830481	curve	\$172.15
830951: 269 SWR 51 147 AL ALP4L, 10" Aluminum cone	4	20.8	0.30	103.4	175	90.3	12.5	71V	27	\$175.80
830847: 308 SWR 51 147 NWP ALP DVC, 12"	8/8	21.8	0.36	144.2	175	92	12.5	50S / 80V	43/27	\$208.85
830845: 308 SWR 51 147 NWP ALP 4L , 12"	8	21.5	0.45	162.5	175	88	12.5	90S	34	\$196.55
830844: 308 SWR 51 147 NWP ALP 4L , 12", use passive	4	17.7	0.20	156.5	175	90.3	12.5	33 w/830548	curve	\$193.00
830952: 308 SWR 51 147 AL ALP4L, 12" Aluminum cone	4	19.1	0.37	159	175	91.2	12.5	40S / 96V	40/26	\$198.55
AUTOSOUND SPEAKERS (F3's are home response, car F3 would be much lower)										
830516: 100 WR 26 72 CD (4")	4	81.2	0.52	2.8	110	89.4	0.5	3S	112	\$32.05
830512: 130 WR 26 81 CD (5.25")	4	66.2	0.51	6.6	110	90.1	2.0	5 to 10S	90	\$36.00
832513: 165 WR 26 90 CD (6.5")	4	48.7	0.45	17.7	140	91	2.0	8 to 15S	75	\$39.00
XXLS AUTOSOUND WOOFERS (F3's are home response, car F3 with cabin gain would be much lower)										
830876: 269 SWR 51 147 NWP ALP 4L (10")	4	39.0	.44	23.6	200	92.2	+12.5	15S / 29V	63/35	\$198.40
830877: 308 SWR 51 147 NWP ALP 4L (12")	4	35.0	.49	39.9	200	94.3	+12.5	35S / 42V	51/32	\$191.25
LAT Subwoofers										
LAT-250: Dual coil subwoofer, 2"	4/4	63	0.64	7.8		91	+3	Sealed, Vented, Bandpass		\$58.00
LAT-500 : Dual coil subwoofer, 5" (8/8 ohm or 16/16 ohm)	8/8	28	0.45	81	250	92	+6.7	60V	30	\$223.00
LAT-700: Dual coil subwoofer, 7"	8/8	24	0.55	110	250	89	+8	85V/55S	25/36	\$391.00

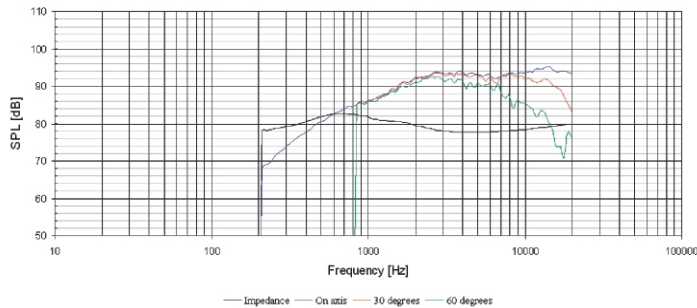
810921

1" HDS Dome Tweeter



- 104mm flange
- 1" textile dome
- Low compression magnet system, vented
- Ferrofluid cooled
- Replaceable voice coil
- 79mm cut out
- **Preliminary Specs**

Znom	8	ohm	Sd	-	cm ²
Re	5.6	ohm	BL	-	N/A
Le	-	mH	Vas	-	ltrs
fs	700	Hz	Xmax	0.5	mm peak
Qms	-		Sensitivity		
Qes	-		2.83V / 1m	93	dB
Qts	-		Longterm Max		
Mms	-	g	System Power	-	W
Cms	-	mm/N	Magnet weight	-	kg



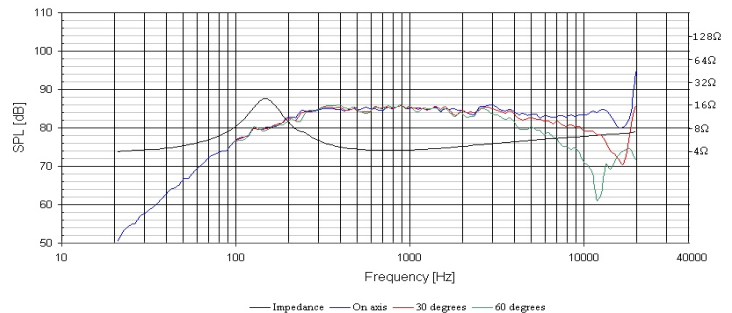
830970

2" Full Range



- Aluminum cone
- Neodymium magnet
- Double venting
- Copper cap on pole piece
- Direct coupled dust cap
- 150 to 20KHz
- 55mm flange
- 50mm cut out
- 30.2mm depth

Znom	4	ohm	Sd	13	cm ²
Re	3.8	ohm	BL	2.8	N/A
Le	0.2	mH	Vas	0.2	ltrs
fs	147.5	Hz	Xmax		mm peak
Qms	3.06		Voice Coil Ø		mm
Qes	0.70		Sensitivity		
Qts	0.57		2.83V / 1m	85	dB
Mms	1.5	g	Power (IEC)	60	W
Cms	0.76	mm/N	Magnet weight	0.13	kg



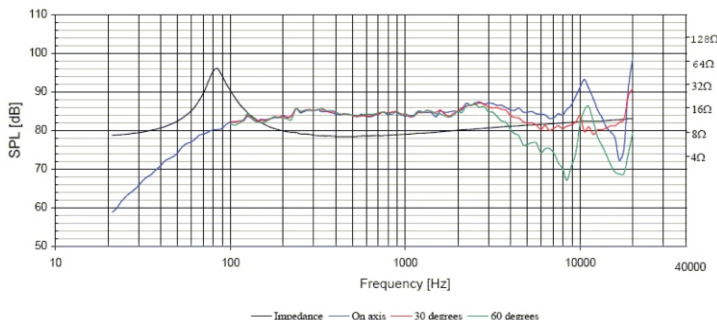
830986

3" Full Range



- Aluminum cone
- Neodymium magnet
- Double venting
- Copper cap on pole piece
- Direct coupled dust cap
- 110 to 15KHz
- 78mm flange
- 72mm cut out
- 47mm depth

Znom	8	ohm	Sd	29	cm ²
Re	6.8	ohm	BL	3.4	N/A
Le	0.6	mH	Vas	1.8	ltrs
fs	83.8	Hz	Xmax	2	mm peak
Qms	5.04		Voice Coil Ø	25	mm
Qes	0.67		Sensitivity		
Qts	0.59		2.83V / 1m	84.2	dB
Mms	2.3	g	Power (IEC)	80	W
Cms	1.56	mm/N	Magnet weight	0.13	kg



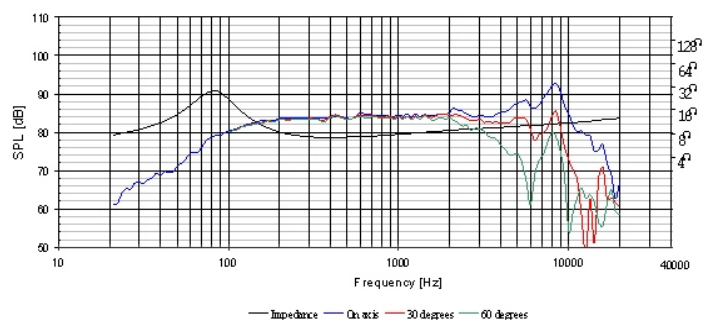
830881

4" Exclusive Woofer



- Nomex fiber cone
- Rubber surround
- Cast Frame - truncated
- Ventilated raised spider
- Shorting rings
- 120.5mm flange
- 106.5mm truncated
- 95mm cut out
- 53.5mm depth

Znom	8	ohm	Sd	53	cm ²
Re	5.9	ohm	BL	6.4	N/A
Le	1.0	mH	Vas	2.0	ltrs
fs	81.2	Hz	Xmax	3.5	mm peak
Qms	2.31		Voice Coil Ø	26	mm
Qes	0.55		Sensitivity		
Qts	0.45		2.83V / 1m	84	dB
Mms	7.4	g	Power (IEC)		W
Cms	0.52	mm/N	Magnet weight	0.31	kg

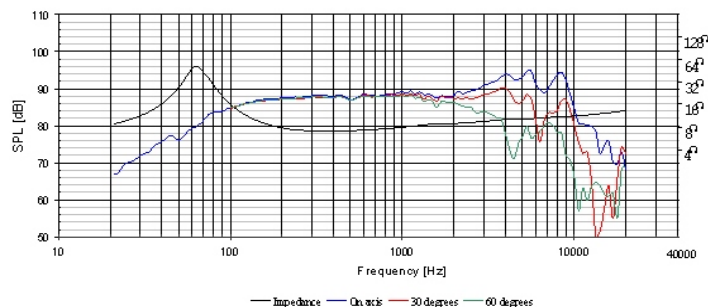


831882 5.75" Exclusive Woofer



- Nomex fiber cone
- Rubber surround
- Cast frame - silver color
- Phase plug
- Ventilated raised spider
- Shorting rings
- 152.5mm flange
- 120.5mm cut out
- 61mm depth

Znom	8	ohm	Sd	87	cm ²
Re	5.9	ohm	BL	7.0	N/A
Le	0.8	mH	Vas	7.2	ltrs
fs	64.5	Hz	Xmax	3.5	mm peak
Qms	3.85		Voice Coil Ø	26	mm
Qes	0.43		Sensitivity		
Qts	0.39		2.83V / 1m	88.2	dB
Mms	8.8	g	Power (IEC)		W
Cms	0.69	mm/N	Magnet weight	0.40	kg

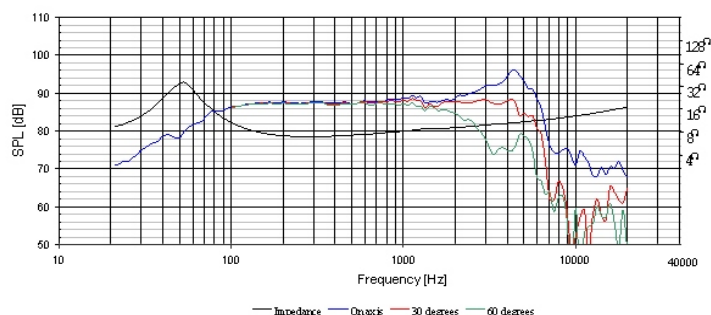


830883 7" Exclusive Woofer



- Nomex fiber cone
- Phase plug - silver color
- Rubber surround
- Cast frame - silver color
- Ventilated raised spider
- Shorting rings
- 180mm flange
- 147mm cut out
- 78mm depth

Znom	8	ohm	Sd	134	cm ²
Re	5.8	ohm	BL	8.2	N/A
Le	1.3	mH	Vas	13.0	ltrs
fs	52.3	Hz	Xmax	5.5	mm peak
Qms	2.79		Voice Coil Ø	33	mm
Qes	0.50		Sensitivity		
Qts	0.43		2.83V / 1m	87.5	dB
Mms	17.7	g	Power (IEC)		W
Cms	0.52	mm/N	Magnet weight	0.68	kg

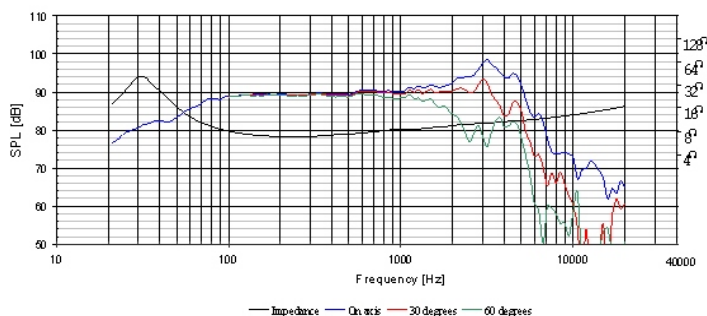


830884 8" Exclusive Woofer



- Nomex fiber cone
- Rubber surround
- Cast frame - silver color
- Ventilated raised spider
- Shorting rings
- 225mm flange
- 205mm truncated
- 191mm cut out
- 90.5mm depth

Znom	8	ohm	Sd	221	cm ²
Re	5.8	ohm	BL	8.0	N/A
Le	1.4	mH	Vas	68.8	ltrs
fs	32.4	Hz	Xmax	5.5	mm peak
Qms	3.00		Voice Coil Ø	33	mm
Qes	0.44		Sensitivity		
Qts	0.38		2.83V / 1m	89.3	dB
Mms	23.7	g	Power (IEC)		W
Cms	1.02	mm/N	Magnet weight	0.68	kg

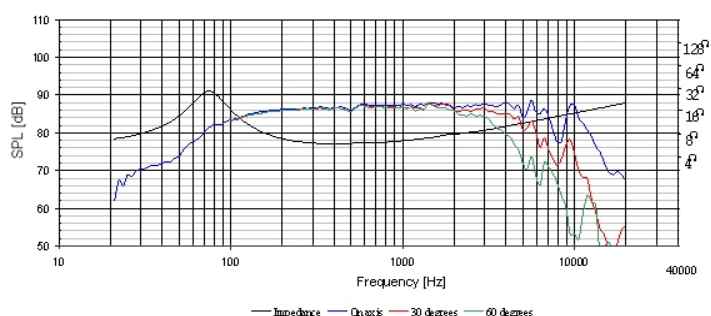


830854 4" PPB Woofer



- Shielded Magnet
- Polypropylene cone
- Rubber surround
- Cast Frame - truncated
- Ventilated raised spider
- 120.5mm flange
- 106.5mm truncated
- 95mm cut out

Znom	8	ohm	Sd	55	cm ²
Re	5.3	ohm	BL	5.1	N/A
Le	0.6	mH	Vas	3.2	ltrs
fs	75.7	Hz	Xmax	3	mm peak
Qms	2.66		Voice Coil Ø	26	mm
Qes	0.56		Sensitivity		
Qts	0.46		2.83V / 1m	86.8	dB
Mms	5.9	g	Power (IEC)		W
Cms	0.76	mm/N	Magnet weight	0.39	kg



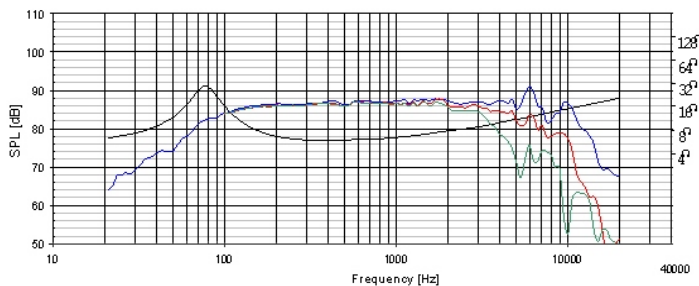
830870



4" PPB Woofer

- Polypropylene cone
- Rubber surround
- Cast Frame - truncated
- Ventilated raised spider
- Shorting rings
- 120.5mm flange
- 106.5mm truncated
- 95mm cut out
- 55mm depth

Znom	8	ohm	Sd	55	cm ²
Re	5.2	ohm	BL	4.8	N/A
Le	0.6	mH	Vas	3.0	ltrs
fs	77.6	Hz	Xmax	3	mm peak
Qms	3.19		Voice Coil Ø	26	mm
Qes	0.65		Sensitivity		
Qts	0.54		2.83V / 1m	87.0	dB
Mms	5.9	g	Power (IEC)		W
Cms	0.72	mm/N	Magnet weight	0.31	kg



— Impedance — On axis — 30 degrees — 60 degrees

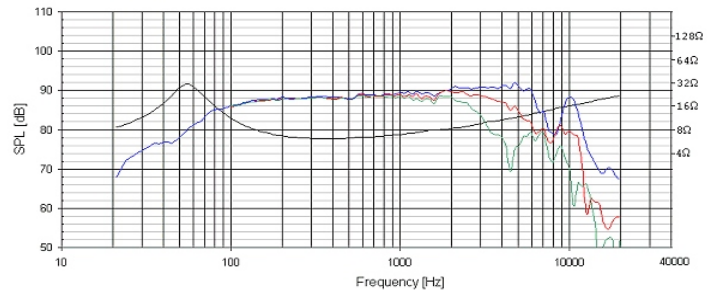
830860



5.25" PPB Woofer

- Polypropylene cone
- Rubber surround
- Cast Frame - truncated
- Ventilated raised spider
- Shorting rings
- 152mm flange
- 134mm truncated
- 120mm cut out
- 61.5mm depth

Znom	8	ohm	Sd	88	cm ²
Re	5.7	ohm	BL	5.7	N/A
Le	0.6	mH	Vas	10.6	ltrs
fs	56.1	Hz	Xmax	3.5	mm peak
Qms	2.41		Voice Coil Ø	26	mm
Qes	0.50		Sensitivity		
Qts	0.41		2.83V / 1m	88.3	dB
Mms	8.1	g	Power (IEC)		W
Cms	0.99	mm/N	Magnet weight	0.4	kg



— Impedance — On axis — 30 degrees — 60 degrees

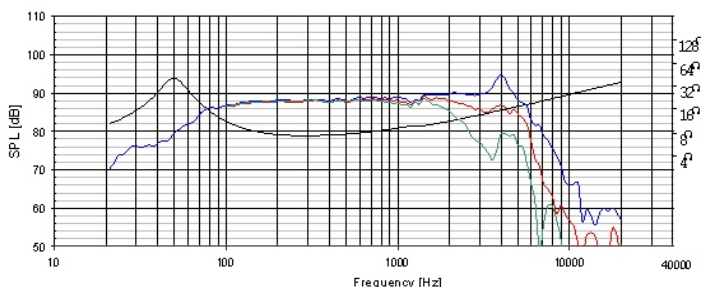
830874



6.5" PPB Woofer

- Polypropylene cone
- Rubber surround
- Cast Frame - truncated
- Ventilated raised spider
- Shorting rings
- 182mm flange
- 164mm truncated
- 145mm cut out
- 78mm depth

Znom	8	ohm	Sd	139	cm ²
Re	6.4	ohm	BL	8.5	N/A
Le	1.2	mH	Vas	16.7	ltrs
fs	47.3	Hz	Xmax	5.5	mm peak
Qms	2.73		Voice Coil Ø	33	mm
Qes	0.47		Sensitivity		
Qts	0.40		2.83V / 1m	87.8	dB
Mms	18.1	g	Power (IEC)		W
Cms	0.63	mm/N	Magnet weight	0.68	kg



— Impedance — On axis — 30 degrees — 60 degrees

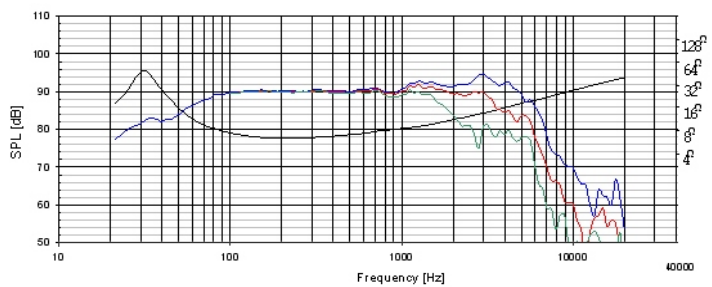
830868



8" PPB Woofer

- Polypropylene cone
- Rubber surround
- Cast Frame - truncated
- Ventilated raised spider
- Shorting rings
- 225mm flange
- 205mm truncated
- 190mm cut out
- 91mm depth

Znom	8	ohm	Sd	221	cm ²
Re	5.5	ohm	BL	8.1	N/A
Le	1.5	mH	Vas	63.4	ltrs
fs	32.5	Hz	Xmax	5.5	mm peak
Qms	4.09		Voice Coil Ø	33	mm
Qes	0.44		Sensitivity		
Qts	0.40		2.83V / 1m	90.1	dB
Mms	25.6	g	Power		W
Cms	0.94	mm/N	Magnet weight	0.68	kg

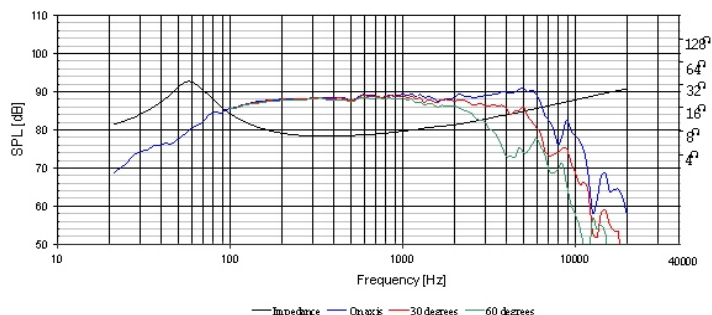


— Impedance — On axis — 30 degrees — 60 degrees

832873**5.25" Nomex Woofer**

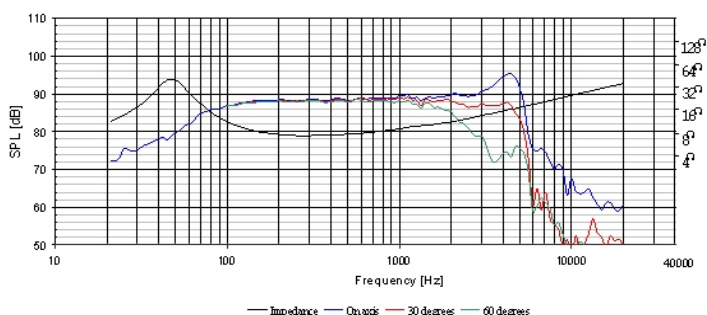
- Nomex fiber cone
- Rubber surround
- Cast frame - truncated
- Ventilated raised spider
- Shorting rings
- 152mm flange
- 134mm truncated
- 120mm cut out
- 61.5mm depth

Znom	8	ohm	Sd	88	cm ²
Re	6	ohm	BL	6.6	N/A
Le	0.8	mH	Vas	8.7	ltrs
fs	58.6	Hz	Xmax	3.5	mm peak
Qms	2.39		Voice Coil Ø	26	mm
Qes	0.46		Sensitivity		
Qts	0.38		2.83V / 1m	88.3	dB
Mms	9.1	g	Power (IEC)		W
Cms	0.81	mm/N	Magnet weight	0.4	kg

**830875****6.5" Nomex Woofer**

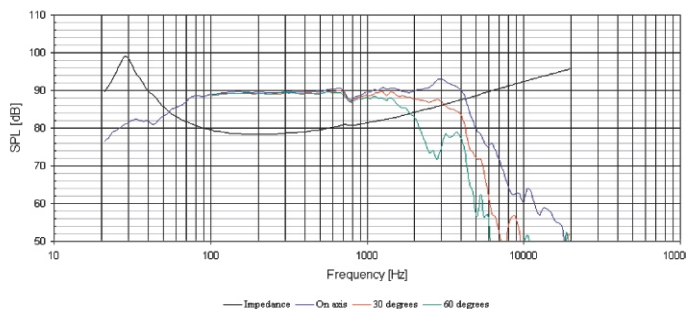
- Nomex fiber cone
- Rubber surround
- Cast frame - truncated
- Ventilated raised spider
- Shorting rings
- 182mm flange
- 164mm truncated
- 145mm cut out
- 78mm depth

Znom	8	ohm	Sd	139	cm ²
Re	6.4	ohm	BL	8.4	N/A
Le	1.3	mH	Vas	17.6	ltrs
fs	48.1	Hz	Xmax	5.5	mm peak
Qms	2.67		Voice Coil Ø	33	mm
Qes	0.45		Sensitivity		
Qts	0.39		2.83V / 1m	88.6	dB
Mms	16.6	g	Power (IEC)		W
Cms	0.66	mm/N	Magnet weight	0.68	kg

**830869****8" Nomex Woofer**

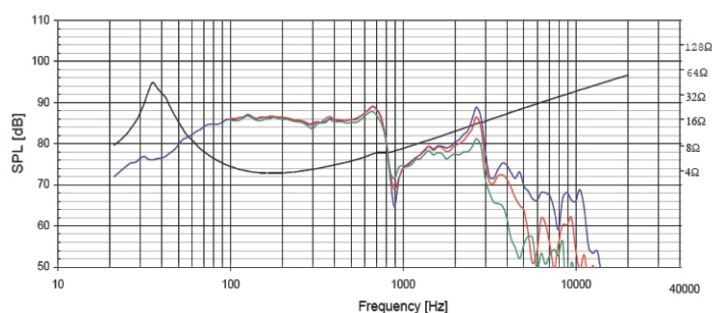
- Nomex fiber cone
- Rubber surround
- Cast frame - truncated
- Ventilated raised spider
- Shorting rings
- 225mm flange
- 205mm truncated
- 190mm cut out
- 91mm depth

Znom	8	ohm	Sd	235	cm ²
Re	6.6	ohm	BL	9.1	N/A
Le	1.8	mH	Vas	70.3	ltrs
fs	30.0	Hz	Xmax	4.5	mm peak
Qms	5.7		Voice Coil Ø	33	mm
Qes	0.41		Sensitivity		
Qts	0.38		2.83V / 1m	89.7	dB
Mms	30.6	g	Power (IEC)		W
Cms	0.92	mm/N	Magnet weight	0.64	kg

**830946****6.5" SLS Woofer**

- Coated Paper cone
- Rubber surround
- Rigid stamped frame
- Ventilated raised spider
- Bumped back plate
- Shorting rings
- 182mm flange , T164
- 148mm cut out
- 84mm depth

Znom	4	ohm	Sd	129	cm ²
Re	3.4	ohm	BL	8.3	N/A
Le	1.5	mH	Vas	12.7	ltrs
fs	36.1	Hz	Xmax	8	mm peak
Qms	6.2		Voice Coil Ø	39	mm
Qes	0.33		Sensitivity		
Qts	0.31		2.83V / 1m	86.5	dB
Mms	35.2	g	Power (IEC)		W
Cms	0.55	mm/N	Magnet weight	0.84	kg



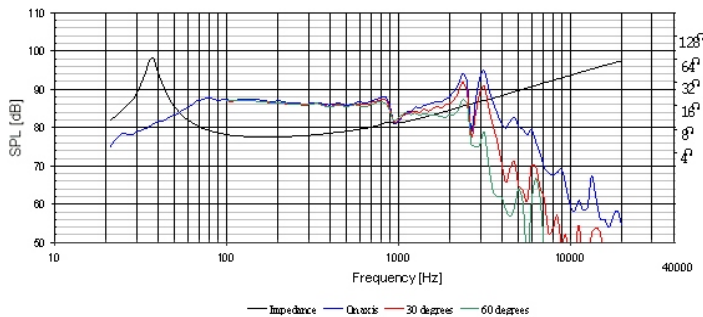
830667



8" SLS Subwoofer

- Coated Paper cone
- Rubber surround
- Rigid stamped frame
- Ventilated raised spider
- Bumped back plate
- Shorting ring
- 213.5mm flange
- 178mm cut out
- 100mm depth

Znom	8	ohm	Sd	204	cm ²
Re	5.4	ohm	BL	8.3	N/A
Le	2.1	mH	Vas	33.1	ltrs
fs	36.5	Hz	Xmax	8.5	mm peak
Qms	7.8		Voice Coil Ø	39	mm
Qes	0.59		Sensitivity		
Qts	0.54		2.83V / 1m	87.2	dB
Mms	33.0	g	Power (IEC)	220	W
Cms	0.57	mm/N	Magnet weight	0.87	kg



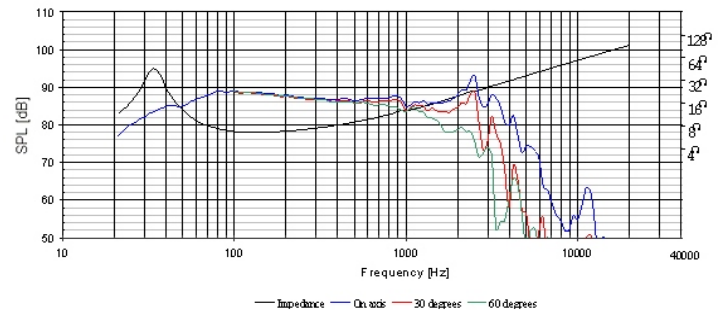
830668



10" SLS Subwoofer

- Coated Paper cone
- Rubber surround
- Rigid stamped frame
- Ventilated raised spider
- Bumped back plate
- Shorting ring
- 263mm flange
- 224mm cut out
- 123mm depth

Znom	8	ohm	Sd	335	cm ²
Re	5.6	ohm	BL	10.2	N/A
Le	3.3	mH	Vas	69.3	ltrs
fs	33.3	Hz	Xmax	8	mm peak
Qms	4.85		Voice Coil Ø	39	mm
Qes	0.57		Sensitivity		
Qts	0.51		2.83V / 1m	88.7	dB
Mms	51.1	g	Power (IEC)		W
Cms	0.45	mm/N	Magnet weight	0.87	kg



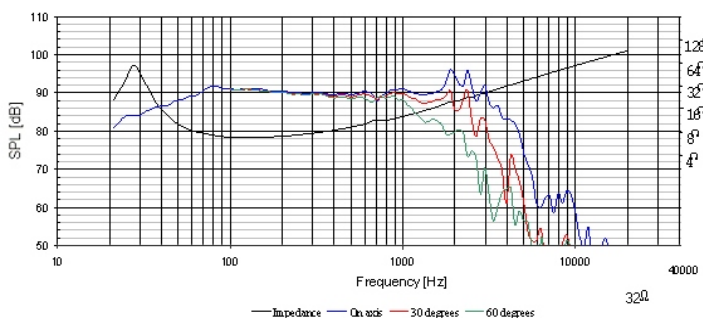
830669



12" SLS Subwoofer

- Coated Paper cone
- Rubber surround
- Rigid stamped frame
- Ventilated raised spider
- Good sealed or vented
- Bumped back plate
- 315mm flange
- 277mm cut out
- 150mm depth

Znom	8	ohm	Sd	540	cm ²
Re	5.7	ohm	BL	12.2	N/A
Le	3.1	mH	Vas	172.4	ltrs
fs	28.0	Hz	Xmax	8	mm peak
Qms	6.70		Voice Coil Ø	39	mm
Qes	0.51		Sensitivity		
Qts	0.47		2.83V / 1m	91.2	dB
Mms	75.4	g	Power (IEC)		W
Cms	0.43	mm/N	Magnet weight	1.28	kg



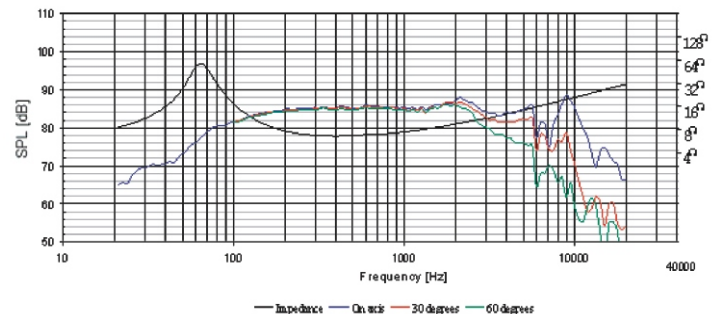
830856



3.5" SDS Mini Woofer

- Coated Paper cone
- Rubber surround
- Rigid stamped frame
- Shielded magnet
- Truncated flange
- Use with 830878 passive
- 124mm flange (105 T)
- 93mm cut out
- 65.8mm depth

Znom	8	ohm	Sd	49	cm ²
Re	5.6	ohm	BL	6.2	N/A
Le	0.9	mH	Vas	3.3	ltrs
fs	62.4	Hz	Xmax	3	mm peak
Qms	3.8		Voice Coil Ø	26	mm
Qes	0.38		Sensitivity		
Qts	0.35		2.83V / 1m	85.7	dB
Mms	6.6	g	Power (IEC)		W
Cms	0.99	mm/N	Magnet weight	0.39	kg



830452

10" XLS Subwoofer



- Extra Long Stroke Sub
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Works well with 830481 passive in 20 liters
- 269.3mm Ø flange
- 240mm Ø cut out
- 107mm depth

Znom	8	ohm
Re	3.4	ohm
Le	4.3	mH
fs	18.6	Hz
Qms	2.66	
Qes	0.18	
Qts	0.17	
Mms	139.3	g
Cms	0.52	mm/N

Sd	333	cm ²
BL	17.5	N/A
Vas	80.2	ltrs
Xmax	12.5	mm peak
Voice Coil Ø	51	mm
Sensitivity	2.83V / 1m	88.4 dB
Power (IEC)	200	W
Magnet weight	2.42	kg

830481

10" XLS 400g Passive

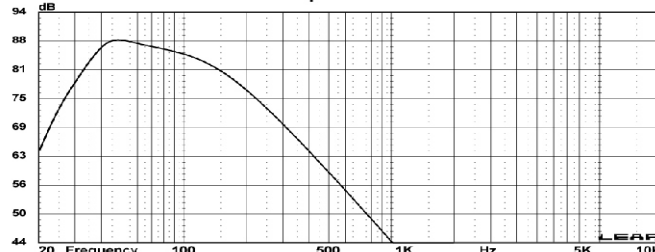


- Extra Long Stroke Passive Radiator
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Threaded M5 bolt hole for adding weight
- 269.3mm Ø flange
- 240mm Ø cut out

Znom	ohm
Re	ohm
Le	mH
fs	11.2 Hz
Qms	14
Qes	
Qts	
Mms	400 g
Cms	0.508 mm/N

Sd	333	cm ²
BL		N/A
Vas	80	ltrs
Xmax	22	mm peak
Sensitivity	2.83V / 1m	dB
Longterm Max		
System Power		W
Magnet weight		kg

One Peerless 830452 10" XLS woofer in 1.0 cubic foot box with two Peerless 830481 10" XLS 400g passive radiators and the Madisound KG5230 amplifier with 90Hz x-over.



830500

12" XLS Subwoofer



- Extra Long Stroke Sub
- Thick Nomex fiber cone
- Cast frame
- Works well with 830548 passive in 40 liters
- Big roll rubber surround
- 308mm Ø flange
- 278mm Ø cut out
- 126mm depth

Znom	8	ohm
Re	3.5	ohm
Le	4.2	mH
fs	17.8	Hz
Qms	3.76	
Qes	0.22	
Qts	0.21	
Mms	172.3	g
Cms	0.46	mm/N

Sd	462	cm ²
BL	17.6	N/A
Vas	136.8	ltrs
Xmax	12.5	mm peak
Voice Coil Ø	51	mm
Sensitivity	2.83V / 1m	90.6 dB
Power (IEC)	250	W
Magnet weight	2.42	kg

830548

12" XLS 425g Passive

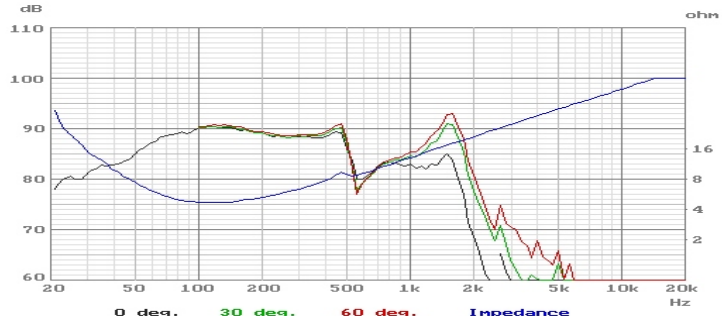
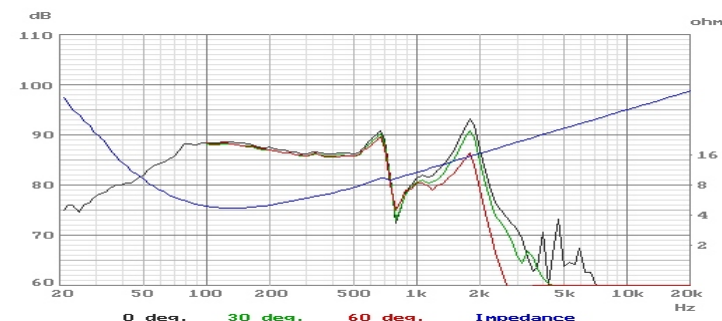


- Extra Long Stroke Passive Radiator
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Threaded M5 bolt hole for adding weight
- 308mm Ø flange
- 278mm Ø cut out

Znom	ohm
Re	ohm
Le	mH
fs	10.4 Hz
Qms	15.2
Qes	
Qts	
Mms	425 g
Cms	0.55 mm/N

Sd	466	cm ²
BL		N/A
Vas		ltrs
Xmax	22	mm peak
Sensitivity	2.83V / 1m	dB
Longterm Max		
System Power		W
Magnet weight		kg

One Peerless 830500 12" XLS woofer in a 1.25 cubic foot enclosure with one Peerless 830548 passive radiator and a Madisound KG5230 amplifier with active crossover at 90Hz.



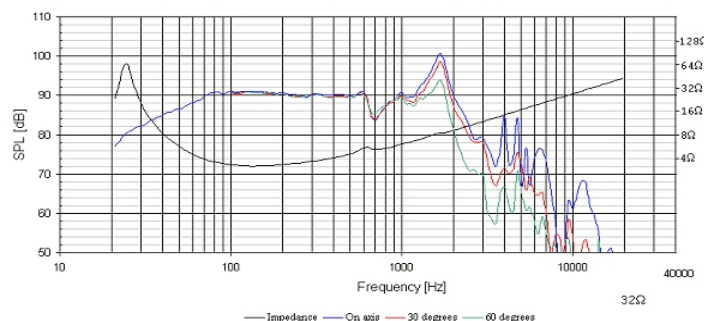
830846 10" XXLS DVC Subwoofer



- Extra Extra Long Stroke
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Good for 50 liter vented box, 3" port 10" long
- 269.3mm flange
- 240mm cut out
- 137mm depth

Specs are with coils in parallel

Znom	4	ohm	Sd	352	cm ²
Re	2.6	ohm	BL	10.1	N/A
Le	1.6	mH	Vas	81.8	ltrs
fs	24.3	Hz	Xmax	12.5	mm peak
Qms	9.24		Voice Coil Ø	51	mm
Qes	0.34		Sensitivity		
Qts	0.33		2.83V / 1m	91	dB
Mms	89.7	g	Power (IEC)	175	W RMS
Cms	0.48	mm/N	Magnet weight	2.4	kg

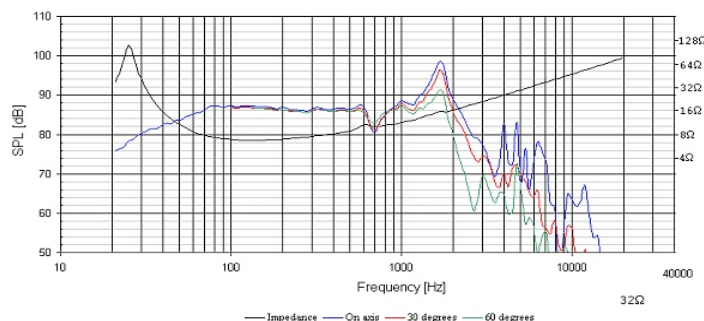


830843



- Extra Extra Long Stroke
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Good for 62 liter sealed box (2.2cf)
- 269.3mm flange
- 240mm cut out
- 137mm depth

Znom	8	ohm	Sd	352	cm ²
Re	5.8	ohm	BL	12.5	N/A
Le	2.8	mH	Vas	86.7	ltrs
fs	25.0	Hz	Xmax	12.5	mm peak
Qms	9.03		Voice Coil Ø	51	mm
Qes	0.47		Sensitivity		
Qts	0.44		2.83V / 1m	87.2	dB
Mms	79.9	g	Power (IEC)	175	W RMS
Cms	0.51	mm/N	Magnet weight	2.4	kg



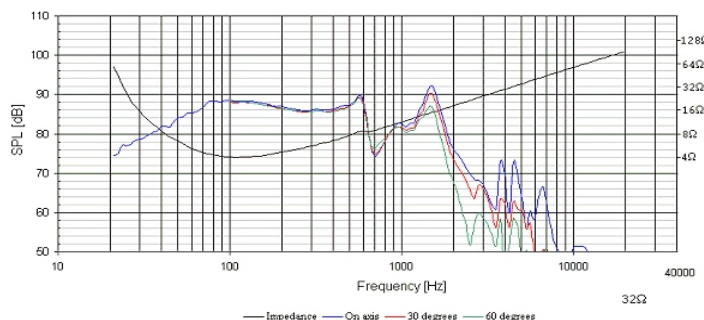
830842

10" XXLS Subwoofer



- Extra Extra Long Stroke
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Good for use with 830481 Passive in 20 ltrs
- 269.3mm flange
- 240mm cut out
- 137mm depth

Znom	4	ohm	Sd	352	cm ²
Re	2.6	ohm	BL	14.9	N/A
Le	4.2	mH	Vas	88.4	ltrs
fs	19.2	Hz	Xmax	12.5	mm peak
Qms	8.74		Voice Coil Ø	51	mm
Qes	0.19		Sensitivity		
Qts	0.19		2.83V / 1m	88.4	dB
Mms	133.8	g	Power (IEC)	175	W RMS
Cms	0.52	mm/N	Magnet weight	2.4	kg



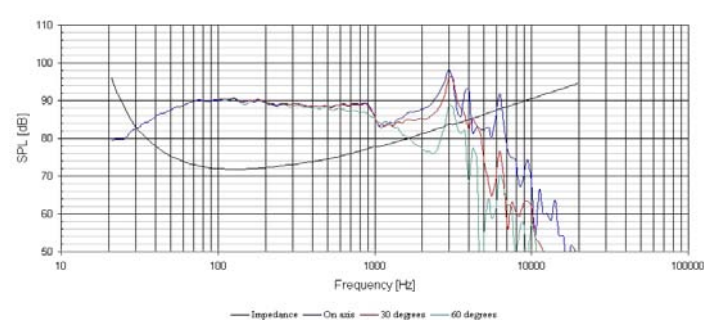
830951

10" XXLS Subwoofer



- Extra Extra Long Stroke
- Aluminum cone
- Cast frame
- Big roll rubber surround
- Good for home or car
- 269.3mm flange
- 240mm cut out
- 137mm depth

Znom	4	ohm	Sd	352	cm ²
Re	2.6	ohm	BL	10.2	N/A
Le	1.8	mH	Vas	103.4	ltrs
fs	20.8	Hz	Xmax	12.5	mm peak
Qms	8.40		Voice Coil Ø	51	mm
Qes	0.32		Sensitivity		
Qts	0.30		2.83V / 1m	90.3	dB
Mms	96.7	g	Power (IEC)	175	W RMS
Cms	0.6	mm/N	Magnet weight	2.2	kg



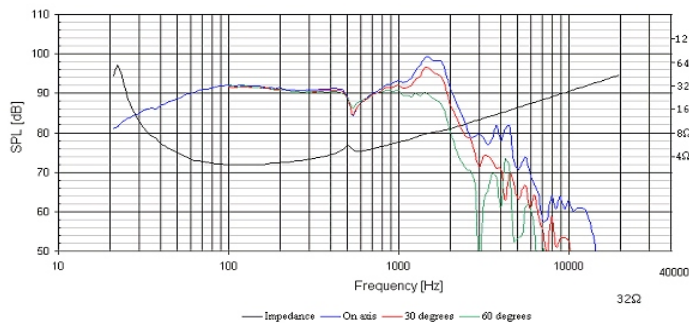
830847 12" XXLS DVC Subwoofer



- Extra Extra Long Stroke
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Good for 80 liter vented box. 3" vent 8.75" long
- 308mm Ø flange
- 278mm Ø cut out
- 145mm depth

Specs are with coils in parallel

Znom	4	ohm	Sd	466	cm ²
Re	2.5	ohm	BL	10.2	N/A
Le	1.8	mH	Vas	144.2	ltrs
fs	21.8	Hz	Xmax	12.5	mm peak
Qms	10.24		Voice Coil Ø	51	mm
Qes	0.37		Sensitivity	2.83V / 1m	92 dB
Qts	0.36		Power (IEC)	175	W RMS
Mms	110.9	g	Magnet weight	2.4	kg
Cms	0.48	mm/N			



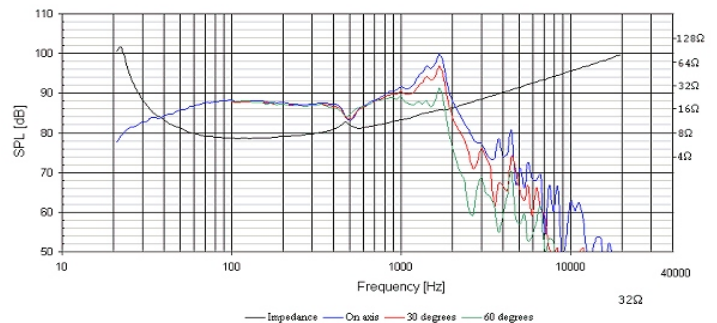
830845

12" XXLS Subwoofer



- Extra Extra Long Stroke
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Good for 62 liter sealed box (2.2cf)
- 308mm Ø flange
- 278mm Ø cut out
- 145mm depth

Znom	8	ohm	Sd	466	cm ²
Re	5.9	ohm	BL	13.1	N/A
Le	3.6	mH	Vas	162.5	ltrs
fs	21.5	Hz	Xmax	12.5	mm peak
Qms	9.68		Voice Coil Ø	51	mm
Qes	0.47		Sensitivity	2.83V / 1m	88 dB
Qts	0.45		Power (IEC)	175	W RMS
Mms	101.4	g	Magnet weight	2.4	kg
Cms	0.54	mm/N			



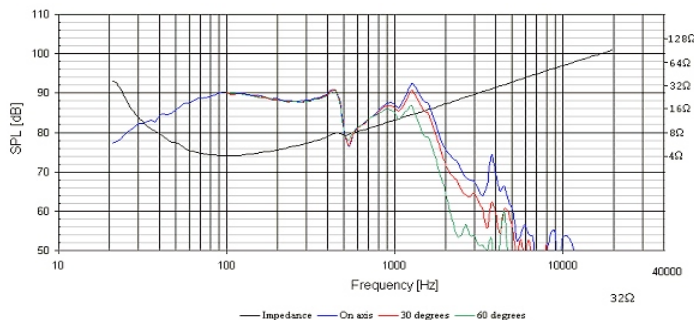
830844

12" XXLS Subwoofer



- Extra Extra Long Stroke
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Good for use with 840548 passive in 33 ltrs
- 308mm Ø flange
- 278mm Ø cut out
- 145mm depth

Znom	4	ohm	Sd	466	cm ²
Re	2.8	ohm	BL	15.7	N/A
Le	4.2	mH	Vas	156.5	ltrs
fs	17.7	Hz	Xmax	12.5	mm peak
Qms	8.21		Voice Coil Ø	51	mm
Qes	0.20		Sensitivity	2.83V / 1m	90.3 dB
Qts	0.20		Power (IEC)	175	W RMS
Mms	155.9	g	Magnet weight	2.4	kg
Cms	0.52	mm/N			



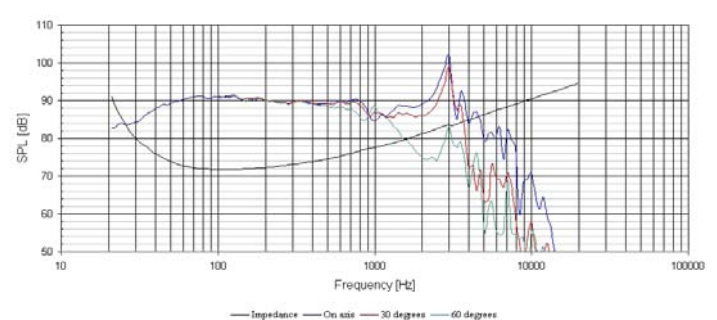
830952

12" XXLS Subwoofer



- Extra Extra Long Stroke
- Aluminum cone
- Cast frame
- Big roll rubber surround
- Good for home or car
- 308mm Ø flange
- 278mm Ø cut out
- 145mm depth

Znom	4	ohm	Sd	466	cm ²
Re	2.6	ohm	BL	10.3	N/A
Le	1.6	mH	Vas	159	ltrs
fs	19.1	Hz	Xmax	12.5	mm peak
Qms	9.29		Voice Coil Ø	51	mm
Qes	0.38		Sensitivity	2.83V / 1m	91.2 dB
Qts	0.37		Power (IEC)	175	W RMS
Mms	130.6	g	Magnet weight	2.2	kg
Cms	0.53	mm/N			



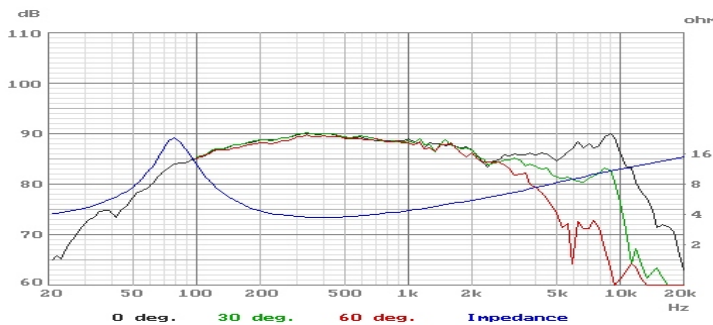
830516

4" CD Car Woofer



- Poly cone
- Rubber surround
- Peerless Logo
- Four removable mounting tabs
- Extended response
- Response to 9kHz
- 100.5mm flange
- 56.5mm depth

Znom	4	ohm	Sd	58	cm ²
Re	3.4	ohm	BL	4.0	N/A
Le	0.5	mH	Vas	3.3	ltrs
fs	78.9	Hz	Xmax	0.5	mm peak
Qms	3.65		Voice Coil Ø	26	mm
Qes	0.59		Sensitivity	2.83V / 1m	89.4 dB
Qts	0.51		Power (IEC)	100	W
Mms	5.8	g	Magnet weight	0.23	kg
Cms	0.70	mm/N			



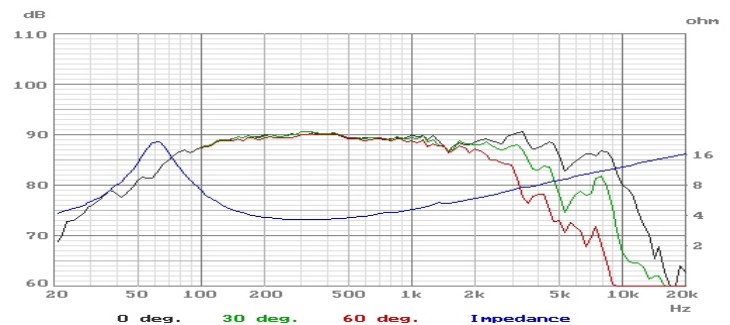
830512

5.25" CD Car Woofer



- Poly cone
- Rubber surround
- Peerless logo
- Removable mounting tabs
- Smooth response curve
- 130mm flange
- 117mm cut out
- 60mm depth

Znom	4	ohm	Sd	91	cm ²
Re	3.3	ohm	BL	4.8	N/A
Le	0.6	mH	Vas	6.6	ltrs
fs	66.2	Hz	Xmax	2	mm peak
Qms	3.55		Voice Coil Ø	26	mm
Qes	0.60		Sensitivity	2.83V / 1m	90.1 dB
Qts	0.51		Power (IEC)	110	W
Mms	10	g	Magnet weight	0.32	kg
Cms	0.58	mm/N			



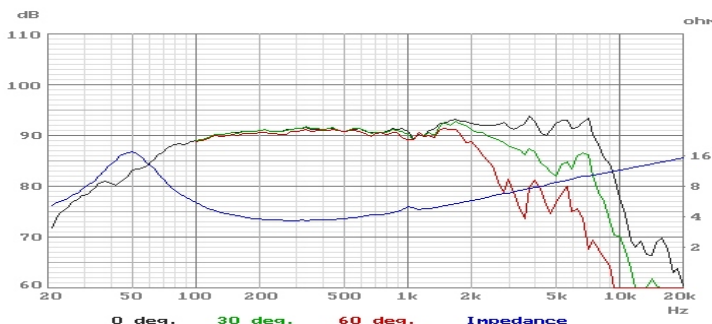
832513

6.5" CD Car Woofer



- Poly cone
- Rubber surround
- Peerless logo
- 6.5" frame size
- Use in door or 0.4cf sealed box
- 165mm flange
- 143.5mm cut out
- 79mm depth

Znom	4	ohm	Sd	143	cm ²
Re	3.3	ohm	BL	5.6	N/A
Le	0.5	mH	Vas	17.7	ltrs
fs	48.7	Hz	Xmax	2	mm peak
Qms	2.51		Voice Coil Ø	26	mm
Qes	0.54		Sensitivity	2.83V / 1m	91 dB
Qts	0.45		Power (IEC)	140	W
Mms	16.9	g	Magnet weight	0.40	kg
Cms	0.63	mm/N			

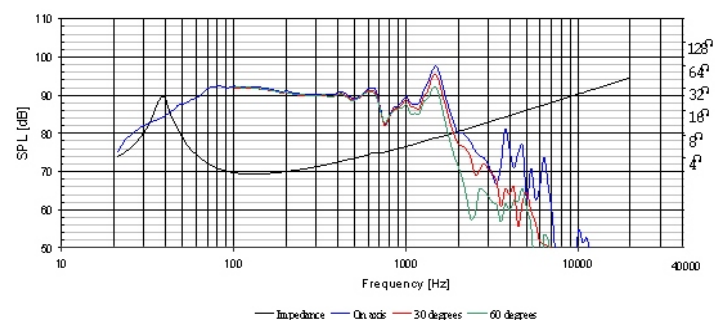


830876 10" XXLS Car Subwoofer



- Extra Extra Long Stroke
- Nomex fiber cone
- Decorative logo and magnet cover
- Big roll rubber surround
- Use sealed or vented
- 269.3mm Ø flange
- 240mm Ø cut out

Znom	4	ohm	Sd	333	cm ²
Re	1.7	ohm	BL	10.4	N/A
Le	1.5	mH	Vas	23.6	ltrs
fs	39.0	Hz	Xmax	12.5	mm peak
Qms	6.79		Voice Coil Ø	51	mm
Qes	0.47		Sensitivity	2.83V / 1m	92.2 dB
Qts	0.44		Power (IEC)	200	W
Mms	121.1	g	Magnet weight	2.4	kg
Cms	0.14	mm/N			

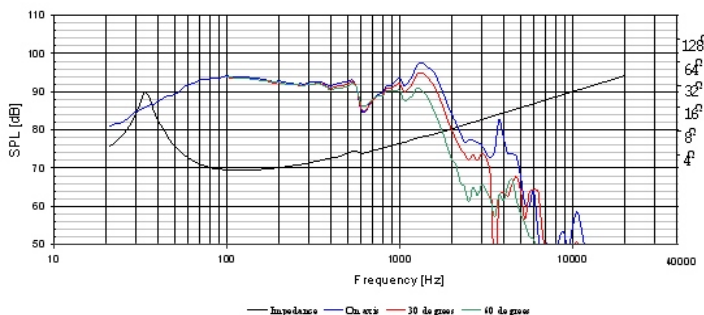


830877 12" XXLS Car Subwoofer



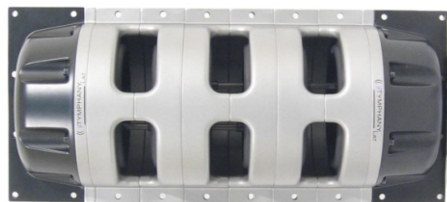
- Extra Long Stroke Sub
- Nomex fiber cone
- Decorative logo and magnet cover
- Big roll rubber surround
- 51mm Ø voice coil
- 308mm Ø flange
- 278mm Ø cut out

Znom	4	ohm	Sd	466	cm ²
Re	1.7	ohm	BL	10.6	N/A
Le	1.3	mH	Vas	39.9	ltrs
fs	35.0	Hz	Xmax	12.5	mm peak
Qms	7.31		Voice Coil Ø	51	mm
Qes	0.52		Sensitivity		
Qts	0.49		2.83V / 1m	94.3	dB
Mms	156.1	g	Power (IEC)	250	W
Cms	0.13	mm/N	Magnet weight	2.4	kg



LAT-500 Subwoofer

The LAT-500 subwoofer has the power of two 10" woofers in a sleek 5" wide tube design. The LAT is a good choice for both home and autosound systems. Since it is a dual voice coil, you can either use each channel independently or use the speaker for one channel with the coils wired in series or parallel.



These woofers can be used in sealed, vented or bandpass enclosures. Please visit our web site for some enclosure suggestions. Dimensions are 7" wide by 16" long. Cut out is 5.9" wide by 14.9" long.

LAT-500 4 ohm (2x 8 ohm coils in parallel)

Znom	4	ohm	Sd	525	cm ²
Re	3.2	ohm	BL	13	N/A
Le	1.5	mH	Vas	81	ltrs
fs	28.0	Hz	Xmax	6.7	mm peak
Qms	9.00		Voice Coil Ø	38	mm
Qes	0.50		Sensitivity		
Qts	0.45		2.83V / 1m	92	dB
Mms	160.0	g	Power (IEC)	250	W
Cms	0.21	mm/N	Magnet weight	2.72	kg

LAT-500 8 ohm (2x 16 ohm coils in parallel)

Znom	8	ohm	Sd	525	cm ²
Re	8.1	ohm	BL	23	N/A
Le	4	mH	Vas	81	ltrs
fs	28.0	Hz	Xmax	5.5	mm peak
Qms	9.00		Voice Coil Ø	38	mm
Qes	0.40		Sensitivity		
Qts	0.40		2.83V / 1m	89	dB
Mms	160.0	g	Power (IEC)	250	W
Cms	0.21	mm/N	Magnet weight	2.72	kg

LAT-250 Subwoofer 4/4 Ohm

The LAT-250 was designed to provide good bass response in very narrow enclosures. The LAT250 is an excellent choice as a woofer for flat panel TV speakers. At only 3.5" wide by 10-1/8" long, this driver can fit in some tight spaces and offer the bass response of an 8" woofer. The LAT is a good choice for both home and autosound systems. Since it is a dual voice coil, you can either use each channel independently or use the speaker for one channel with the coils wired in series or parallel. The LAT250 is 4 ohm stereo, 8 ohm mono with coils in series or 2 ohm mono with coils in parallel.



Dimensions:
3.5" Wide by 10-1/8" long
1.5" depth
1.25" protrusion

Band-Pass Single Tuned Enclosure:

- Rear (sealed) chamber volume: 2 liters
- Front (ported) chamber volume: 1 liter
- Port tuning: 110Hz
- Port 1.5" diameter by 7.5" long
- F3: 59Hz

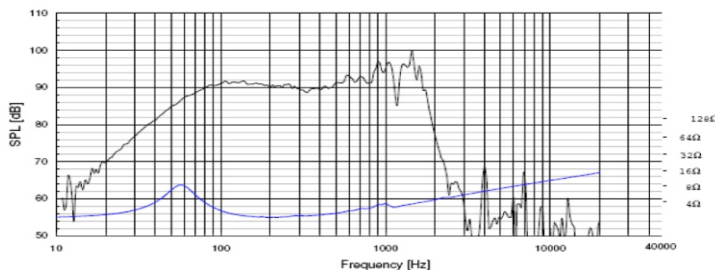
Vented Bass-Reflex Enclosure:

- Enclosure volume: 6 liters
- Port tuning: 70Hz
- Port 2" diameter by 6.75" long
- F3: 60Hz

If you intend to drive the speaker hard, a high pass filter at 55Hz is recommended in order to limit cone excursion.

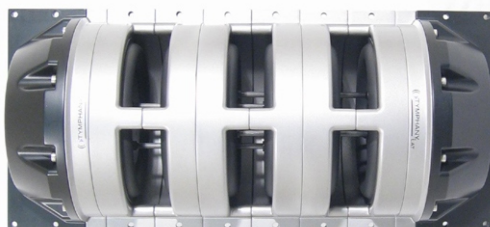
LAT-250 4/4 ohm (Measured with coils in parallel for 2 ohm)

Znom	2	ohm	Sd	196	cm ²
Re	2	ohm	BL	6.8	N/A
Le	0.27	mH	Vas	7.8	ltrs
fs	63	Hz	Xmax	3	mm peak
Qms	4.60		Voice Coil Ø	38.5	mm
Qes	0.75		Sensitivity		
Qts	0.64		2.83V / 1m	91	dB
Mms	45.0	g	Power (IEC)	-	W
Cms	0.14	mm/N	Magnet weight	0.56	kg



LAT-700 Subwoofer 8/8 ohm

The LAT-700 subwoofer has the power of two 12" woofers in a sleek 7" wide tube design. The LAT is a good choice for both home and autosound systems. Since it is a dual voice coil, you can either use each channel independently or use the speaker for one channel with the coils wired in series or parallel.



These woofers can be used in sealed, vented or bandpass enclosures. See our web site for more info. Dimensions are 8.6" wide by 19.2" long. Cut out is 7.7" wide by 18" long.

LAT-700 4 ohm (2x 8 ohm coils in parallel)

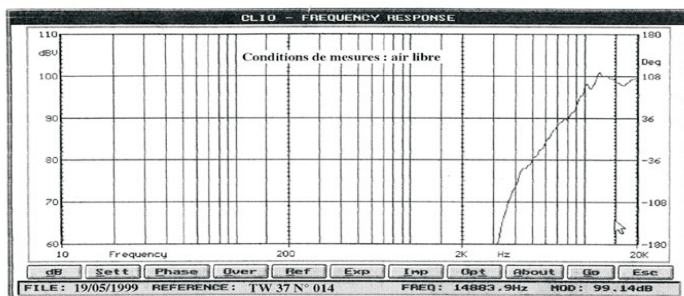
Znom	4	ohm	Sd	525	cm ²
Re	3.2	ohm	BL	13	N/A
Le	1.5	mH	Vas	81	ltrs
fs	28.0	Hz	Xmax	6.7	mm peak
Qms	9.00		Voice Coil Ø	38	mm
Qes	0.50		Sensitivity		
Qts	0.45		2.83V / 1m	92	dB
Mms	160.0	g	Power (IEC)	250	W
Cms	0.21	mm/N	Magnet weight	2.72	kg

PHY TW37 \$960/pair

- Piezo Electric 37mm Paper Cone Tweeter
- Brass frame
- Internal Crossover
- 98dB
- Frequency response 10kHz-30kHz
- Sold in Matched Pairs



Znom	70	ohm
Sensitivity	98	dB
Ms	0.07	g
Weight	0.42	kg
Diameter	83	mm
Cut out	51	mm
Depth	83	mm



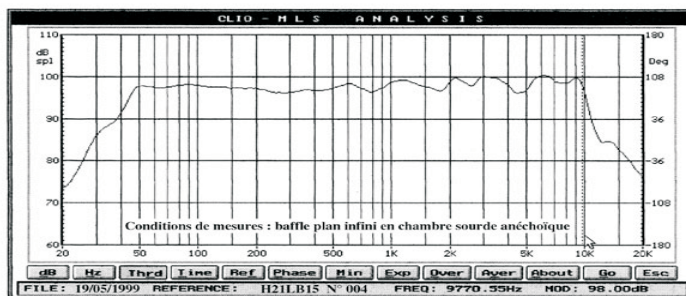
PHY H21LB15 \$1205

- 8" Wide Range
- Paper cone
- Alnico 3SC magnet
- Cast Brass frame
- Shielded magnet
- Designed for use in an open baffle (no-enclosure). Plans are available at: www.tonianlabs.com



Znom	15	ohm	VC Ø	25	mm
fs	45	Hz	Sensitivity	98	dB
Nom. Power	25	W	Zmin	14.4	ohm
Re	12.8	ohm	Zmax	155	ohm
Qms	6.10		Frame diameter	234	mm
Qes	0.65		Cut out diameter	202	mm
Qts	0.59		Depth	154	mm
Mms	9.4	g			
Vas	97	ltrs			

With Silver VC wire \$1400



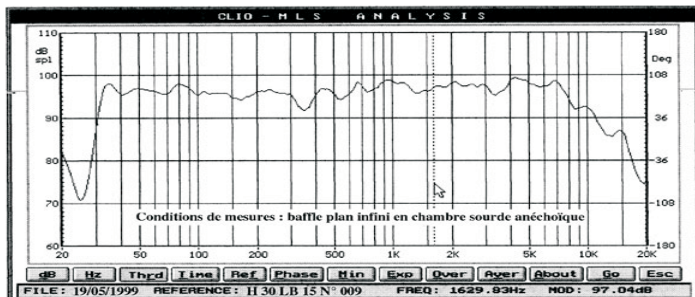
PHY H30LB15 \$1675

- 12" Wide Range
- Paper cone
- Alnico 3SC magnet
- Cast Brass frame
- Shielded magnet
- Designed for use in an open baffle or large sealed box. Plans are available at: www.tonianlabs.com



Znom	16	ohm	VC Ø	35	mm
fs	36	Hz	Sensitivity	97	dB
Nom. Power	50	W	Zmin	14.9	ohm
Re	13.8	ohm	Zmax	125	ohm
Qms	6.60		Frame diameter	311	mm
Qes	0.62		Cut out diameter	270	mm
Qts	0.59		Depth	195	mm
Mms	23.1	g			
Vas	224	ltrs			

With Silver VC wire \$1880



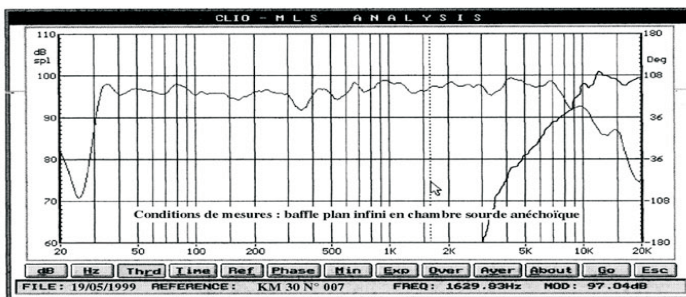
PHY KM30 \$1400

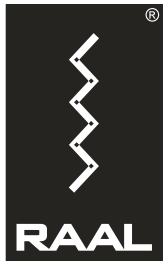
- 12" Coaxial Speaker
- Paper cone woofer
- Piezo Paper cone tweeter
- Cast Brass frame
- Shielded magnet
- Designed for use in an open baffle or large sealed box. Plans are available at: www.tonianlabs.com



Znom	16	ohm	VC Ø	35	mm
fs	36	Hz	Sensitivity	97	dB
Nom. Power	50	W	Zmin	14.9	ohm
Re	13.8	ohm	Zmax	125	ohm
Qms	6.60		Frame diameter	311	mm
Qes	0.62		Cut out diameter	270	mm
Qts	0.59		Depth	195	mm
Mms	23.2	g			
Vas	224	ltrs			

With Silver VC wire \$2040





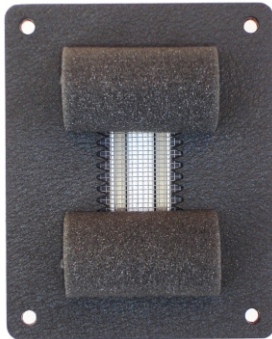
RAAL is a company based in Zajecar (Zaječar), eastern Serbia. It is 100% owned and managed by its founder and director, solely creating the company's policy, products, development and strategy.

In an effort to recreate a sound that happened in some other place, in some other time, audio engineers are constantly trying to find the best means to record and reproduce the sound as exactly as possible. If we could have absolutely accurate replica of recorded sound at the end of an audio equipment chain, than the sensation that we would have, would be the same as we actually participated in the recorded event.

Of course, absolute accuracy is not possible. Fortunately enough, it has been proven that it takes a certain level of reproduction accuracy to make the human or animal ears experience no difference to original. Impressive achievement, but with ridiculously expensive and impractical laboratory equipment and conditions.

Our goal is to bring the most of that experience to everyday life.

RAAL 70-10D Ribbon



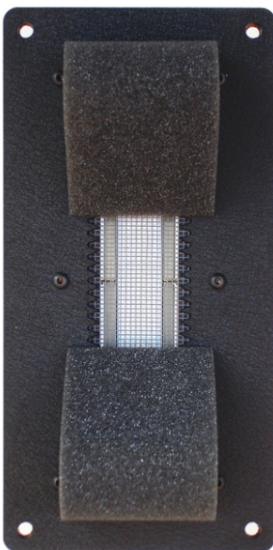
- Ribbon material: aluminium
- Ribbon dims: (70 x 9.5 x 0.004) mm
- Ribbon mass: 0.0075 g
- Ribbon area: 6.65 cm sq.
- Gap induction : 0.62 T
- Frequency response: 2 kHz ~ 100 kHz
- Sensitivity: 92 dB / 1 m / 2.83 V
- Impedance: 8 Ohm
- Program power handling: 150 W*
- *Recommended crossover: 4th order L-R @ 2800 Hz

Price Each \$324

Price Each with Amorphous Core \$424



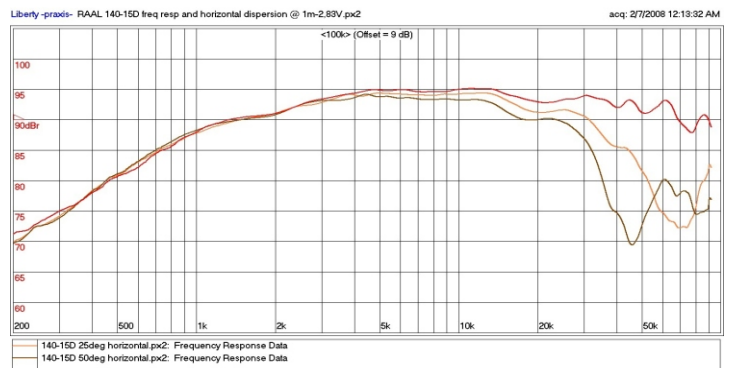
RAAL 140-15D Ribbon



- Ribbon material: aluminium
- Ribbon dims: (140 x15 x 0.004) mm
- Ribbon mass: 0.022 g
- Ribbon area: 21 cm sq.
- Gap induction : 0.51 T
- Frequency response: 500Hz ~ 100 kHz
- Sensitivity: 95 dB / 1 m / 2.83 V
- Impedance: 8 Ohm
- Program power handling: 200 W*
- *Recommended crossover: 4th order L-R @ 1600 Hz

Price Each \$538

Price Each with Amorphous Core \$638



Recently, we finished development of **Amorphous C-cores** transformer application in our ribbons. We are the first to use AMCC's in ribbons for absolutely uncompressed high power transient transfer and, at the same time, even further improving already the best low-level performance in the world today, by decreasing the width of hysteresis compared to HF ferrite cores. For direct coupled tube SE-ribbon, we successfully developed 175:1 ratio, -3dB at 120kHz Amorphous C-core transformers that can carry DC idle current of SET. Impedance conversion is about 30000:1, bringing the 0.1 Ohm ribbon up to 3kOhm, good for plate loading of most triodes in HF.

FEATURES:

- Special **FLATFOIL®** pure Aluminium ribbon
- Special **SYMMLEAD®** low inductance signal path
- Special **EQUAFIELD®** NdFeB magnetic structure
- Special “non-wave-guide” INOX front plate
- Exceptional vertical dispersion
- Super-fast settling time
- Flat frequency response
- Low nonlinear distortion
- High signal power handling
- Highest reliability

****Available for OEM customers: 70-20XR Ribbon Tweeter**

EQUAFIELD® technology: The magnetic field in RAAL ribbons is homogenous, in other words the width of the gap is designed to have the same strength at the ribbon edges as at the middle. **EQUAFIELD®** technology dramatically reduces stress and distortion of the ribbon foil. We've extensively used the FEM and BEM magnetic circuit analysis software to create a precisely-shaped magnetic field that is consistent across the gap width and depth. In order to create such a field with real magnets, very strong NdFeB magnets have been precisely machined into a very special shape prior to magnetization. The process of making the magnetic field homogenous does sacrifice some of the magnet's strength. However this loss of efficiency is eclipsed by the benefits of low stress and low linear and nonlinear distortion.

SB Acoustics was formed to provide an affordable hi-end products to the loudspeaker. This was accomplished by marrying the design talents of Scandinavian Audio Research (Denmark) with the the manufacturing expertise of Sinar Baja Electric (Indonesia). SCAR is company composed of many industry veterans responsible for many well known and revolutionary designs and Sinar Baja Electric is a company with more than 27 years of transducer manufacturing experience.

The SB Acoustics speaker line has been carefully engineered by Ulrik Schmidt of Denmark. Ulrik studied at The Engineering College of Odense (IOT), world renowned for their acoustic department. Ulrik has a BSc EE (specialized in Electro-Acoustics) from IOT. Ulrik worked for Scan-speak as an R&D engineer from 1997 until the spring of 2006. In 2006 Ulrik joined the team headed by Lars Goller (formerly directing engineer at Danish Sound Technology) in a new Danish loudspeaker company called Scandinavian Audio Research.

The current line of loudspeakers includes a 1" textile dome tweeter; 5" and 6.5" midbass driver; 10" and 12" bass driver and 15" bass/subwoofer. The line will be expanded to include more tweeter choices; a 4" midbass driver and an 8" woofer. The 4" through 12" woofer line features coated proprietary paper cones with papyrus reed. The 15" woofer has a special Kevlar HoneyComb (KHC) cone for added stiffness and lightness. This KHC has a more natural and warmer sound. All woofers use non-inductive fiberglass voice coil formers.

All the drivers in this line have been engineered to offer the end user many application choices. These drivers will work in many different box alignments and many drivers will do equal duty as woofers or midbass drivers. The cones and surrounds on the 5" and 6.5" woofers have been carefully chosen to provide the best possible midrange reproduction without compromising bass definition. The open structure cast frames minimize reflections, yet provide a solid foundation with minimal vibration to the motor structure.

SB25STC-C000-4

SB ACOUSTICS

This tweeter features a fabric dome with a large roll surround. The face plate has been optimized to provide a extended frequency response with exception off axis response. The tweeter has a chambered back designed to provide a lower resonance frequency and reduce back wave reflections from the dome. Careful engineering has resulted in a tweeter with natural sound reproduction without coloration.



\$24.75

Dimensions: 100mm flange diameter; 70mm cut out hole size (notch for terminals); 3mm flange thickness, 34.14mm depth.

SB15NRX30-8 5"

SB ACOUSTICS

This 5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. A extended length copper clad pole piece improves inductance symmetry and lessons modulation distortion.

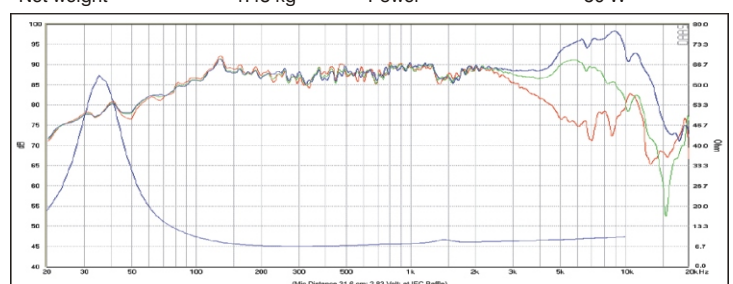
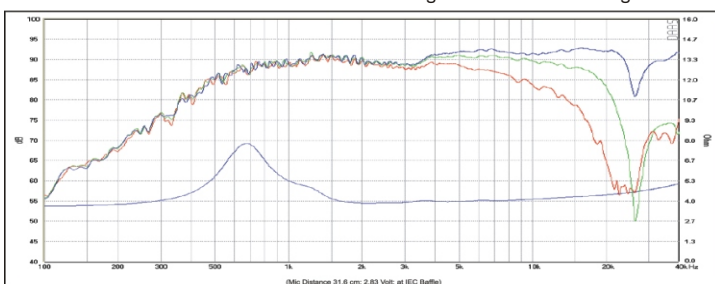


\$46.40

This driver will get down to 55Hz in a 0.3 cubic foot box with a 1.5" diameter port by 6" long. Frame is 150mm in diameter.

Impedance	4 ohm	Free air resonance Fs	680 Hz
DC resistance	3.2 ohm	Sensitivity 2.83V/1M	91 dB
V.C. inductance	0.04 mH	Qms	2.00
Effective cone area	6.2 cm ²	Qes	1.40
V.C. diameter	25.4 mm	Qts	0.80
VC height	1.3	Force factor BL Product	1.7 Tm
Air gap	2.5	Power	120 W
Linear excursion	±1.2 mm	Magnet flux density	1.25 T
Moving mass incl. air	0.3 g	Magnet weight	0.22 kg
		Net weight	0.5 kg

Impedance	8 ohm	Free air resonance Fs	38 Hz
DC resistance	5.7 ohm	Sensitivity 2.83V/1M	88 dB
V.C. inductance	0.14 mH	Qms	4.80
Effective cone area	82 cm ²	Qes	0.35
V.C. diameter	30.5 mm	Qts	0.33
VC height	15	Moving mass incl. air	8.1 g
Air gap	5	Force factor BL Product	5.6 Tm
Linear excursion	±5 mm	Vas	20.7 ltrs
Magnet flux density	1.0 T	Compliance, Cms	2.17 mm/N
Magnet weight	0.54 kg	Mechanical loss, Rm	0.4 kg/s
Net weight	1.48 kg	Power	50 W



SB17NRX35-8 6.5"

ACOUSTICS

This 6.5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. A extended length copper clad pole piece improves inductance symmetry and lessens modulation distortion.

This driver will get down to 50Hz in a 0.6 cubic foot box with a 2" diameter port by 7" long. Frame is 171mm in diameter.



\$53.00

Impedance	8 ohm	Free air resonance Fs	32 Hz
DC resistance	5.7 ohm	Sensitivity 2.83V/1M	89 dB
V.C. inductance	0.15 mH	Qms	5.00
Effective cone area	118 cm ²	Qes	0.36
V.C. diameter	35.5 mm	Qts	0.34
VC height	16	Moving mass incl. air	11.0 g
Air gap	5	Force factor BL Product	5.9 Tm
Linear excursion	±5.5 mm	Vas	44.5 ltrs
Magnet flux density	1.0 T	Compliance, Cms	2.25 mm/N
Magnet weight	0.54 kg	Mechanical loss, Rm	0.44 kg/s
Net weight	1.56 kg	Power	60 W

SB29NRX75-6 10"

ACOUSTICS

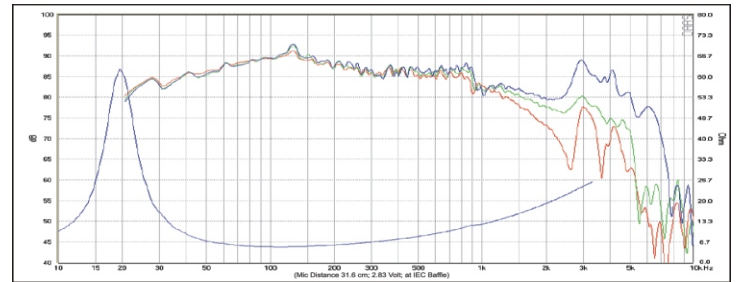
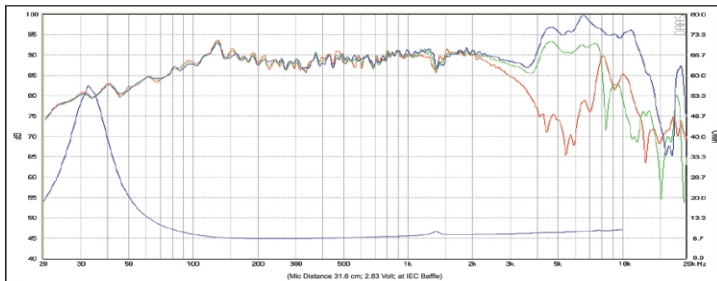
This 10" woofer features a proprietary composition paper cone with a special coating. The rubber surround has been carefully chosen to properly dampen the cone movement. The open structure cast frame has been specially engineered for minimum reflections good air flow. This woofer is a good choice for any high end 3-way speaker system.

This driver will get down to 27Hz in a 2.0 cubic foot box with a 3" diameter port by 12" long. Frame is 290mm in diameter.



\$122.80

Impedance	6 ohm	Free air resonance Fs	21 Hz
DC resistance	4.2 ohm	Sensitivity 2.83V/1M	88 dB
V.C. inductance	1.8 mH	Qms	5.70
Effective cone area	312 cm ²	Qes	0.38
V.C. diameter	75.6 mm	Qts	0.35
VC height	28	Moving mass incl. air	78.0 g
Air gap	6	Force factor BL Product	10.7 Tm
Linear excursion	±11 mm	Vas	102 ltrs
Magnet flux density	0.9 T	Compliance, Cms	0.74 mm/N
Magnet weight	2.1 kg	Mechanical loss, Rm	1.8 kg/s
Net weight	5.3 kg	Power	200 W



SB34NRX75-6 12"

ACOUSTICS

This 12" woofer features a proprietary composition paper cone with a special coating. The rubber surround has been carefully chosen to properly dampen the cone movement. The open structure cast frame has been specially engineered for minimum reflections good air flow. This woofer is a good choice for any high end 3-way speaker system or subwoofer.

This driver will get down to 37Hz in a 2.8 cf sealed box or 28Hz in 3.5 cf with a 3" diameter port by 8" long.



\$141.30

SB42KHC75-6 15"

ACOUSTICS

This 15" woofer features a Kevlar Honeycomb cone. The rubber surround has been carefully chosen to properly dampen the cone movement. The open structure cast frame has been specially engineered for minimum reflections good air flow. This woofer is a good choice for any high end 3-way speaker system or subwoofer.

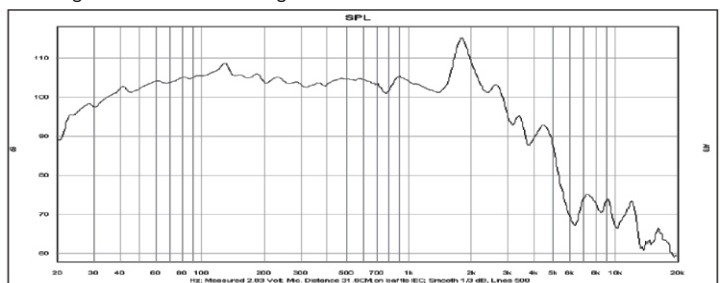
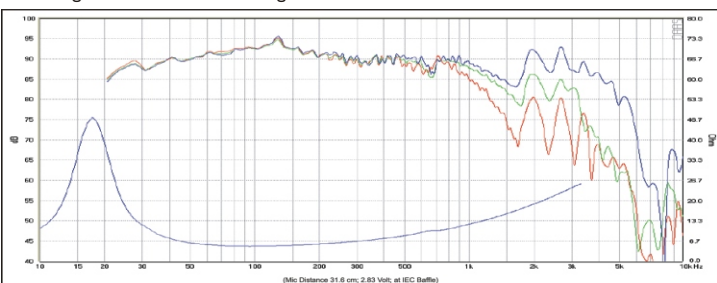
This driver will get down to 32Hz in a 4.5 cubic foot box with a 4" diameter port by 8" long, 50% poly filling.



\$418.80

Impedance	6 ohm	Free air resonance Fs	22 Hz
DC resistance	4.6 ohm	Sensitivity 2.83V/1M	93.5 dB
V.C. inductance	- mH	Qms	7.00
Effective cone area	844 cm ²	Qes	0.40
V.C. diameter	75.6 mm	Qts	0.38
VC height	31	Moving mass incl. air	165 g
Air gap	8	Force factor BL Product	16 Tm
Linear excursion	±11.5 mm	Vas	320 ltrs
Magnet flux density	1.02 T	Compliance, Cms	0.32 mm/N
Magnet weight	3.5 kg	Mechanical loss, Rm	3.1 kg/s
Net weight	10.2 kg	Power	300 W

Impedance	6 ohm	Free air resonance Fs	19 Hz
DC resistance	4.2 ohm	Sensitivity 2.83V/1M	90 dB
V.C. inductance	1.8 mH	Qms	5.10
Effective cone area	508 cm ²	Qes	0.43
V.C. diameter	75.6 mm	Qts	0.40
VC height	28	Moving mass incl. air	99.0 g
Air gap	6	Force factor BL Product	10.7 Tm
Linear excursion	±11 mm	Vas	260 ltrs
Magnet flux density	0.9 T	Compliance, Cms	0.71 mm/N
Magnet weight	2.1 kg	Mechanical loss, Rm	2.3 kg/s
Net weight	5.85 kg	Power	200 W





Model	Imp Ω	Fs Hz	Qts	Vas Ltrs	Power @12dB	dB 283V/m	Xmax mm P	Box Liter Sealed/Vented	F3 Hz	Price Each
Revelator Series Tweeters										
R2904/7000-00: Premium Ring Radiator - Silver	4	520			160@2.5k	94.5	0.2			\$398.00
R2904/7000-05: Premium Ring Radiator - Black w/silver plug	4	520			160@2.5k	94.5	0.2			\$398.00
R2904/7000-09: Premium Ring Radiator - Black	4	520			160@2.5k	94.5	0.2			\$398.00
D2904/7100-02: Premium Wide Surround Tweeter - Silver	4	520			160@2.5k	94.5	0.2			\$285.00
D2904/7100-03: Premium Wide Surround Tweeter - Black	4	520			160@2.5k	94.5	0.2			\$285.00
D2905/9900: 1” textile dome, SD-2, LCD, NRC, CDD	8	500			225@2.8k	91	0.4			\$241.00
D2904/9800: 1” aluminum dome, diffuser, SD-2, NRC	4	500			160@2.8k	90	0.1			\$206.00
D2905/9700: 1” textile dome, SD-2, LCD, NRC	8	500			225@2.8k	89.5	0.4			\$164.00
D2904/6000-00: 1” dome, neodymium magnet, grill - 60mm flange	4	750			150@2.7k	90	0.25			\$208.00
D2904/6000-01: 1” dome, neodymium magnet - 60mm flange	4	750			150@2.7k	90.5	0.25			\$200.00
D3004/6600-00: 1" dome, AirCirc, neodymium magnet	4	520			160@2.5k	92.5	0.2			\$220.00
Revelator Series Midranges										
12M/4631G: 4.5” slit paper cone, neodymium magnet, R3	4	75	0.33	2.4	40@75	89	3.0	0.7 / 1.0	160 / 100	\$285.00
15M/4531K: 5" slit paper cone midrange, Glass former	4	35	0.22	24		90	3.0	3.0 / 5.0	100 / 70	\$222.00
Revelator Series Mid/Bass & Woofers										
15W/4531G: 5” slit paper cone, NRCS, SD-1, R3, Glass former	4	39.5	0.32	16	60	87	6.5	4 / 6	88 / 58	\$223.00
15W/8530K-00: 5” paper cone, NRCS, SD-1, R3, Glass former	8	30	0.27	28	60	85.5	6.5	5.1 / 7.4	77 / 55	\$212.00
15W/8531K-00: Same as 15W/8530K-01, but with non-coated mat appearance										\$217.00
15W/8530K-01: 5” paper cone, NRCS, SD-1, R3, Glass former	8	30	0.35	28	60	84.5	6.5	9.5 / 15	60 / 40	\$212.00
18W/4531G: 7” slit paper cone, SD-1, R3, Glass former	4	33	0.35	42	70	90	6.5	14 / 23	65 / 41	\$232.00
18W/8531G: 7” slit paper cone, SD-1, R3, Glass former	8	28	0.36	59	60	87	6.5	21 / 36	54 / 35	\$225.00
22W/4851T: 8” hard paper cone, SD-1, Titanium former	4	20.5	0.22	127	170	89	9.0	10 / 28	70 / 40	\$344.00
22W/8851T: 8” hard paper cone, SD-1, Titanium former	8	21	0.25	127	170	88	9.0	18 / 34	60 / 38	\$347.00
22W/8857T: 8” Black Aluminum cone, SD-1, Titanium former	8	23	0.30	89	170	89	9.0	14 / 35	60 / 38	\$308.00
26W/8861T: 10" hard paper cone, SD-1, Titanium former	8	19	0.31	234	170	88.5	9.0	55 / 90	40 / 28	\$375.00
26W/4867T: 10" Black Aluminum cone, SD-1, Titanium former	4	18	0.30	223	170	89	9.0	46 / 71	43 / 29	\$339.00
26W/8867T: 10" Black Aluminum cone, SD-1, Titanium former	8	19	0.29	179	170	87	9.0	36 / 57	46 / 31	\$354.00
23W/4557T: 10" Aluminum Cone, SD-1, Titanium former	4	20.5	0.44	43.5	225	83	13	28 / 59	33 / 27	\$385.00
23W/0-00: 10" Aluminum Cone Passive Radiator		Fs 10.5 Hz, Sd 232 cm², Mms 400g, Vas 43.5 Ltrs, Qms 11.5, Excursion ±20mm								\$163.00
Classic Series Tweeters and Mid/Tweeter										
D2010/8513: ¾” dome, chamber, foam on faceplate, ff	8	800			150@4k	90	0.7			\$77.00
D2905/9300: 1” textile dome, chamber, FF	8	650			150@2.5k	90	0.4			\$129.00
D2905/9500: 1” textile dome, NRC, FF	8	550			150@2.5k	90	0.4			\$132.00
Classic Series Woofers										
18W/8535: 7” carbon paper cone, SD-1, R3	8	26	0.38	72	70	86.5	5.0	30 / 46	48 / 33	\$174.00
18W/8545: 7” carbon paper cone, SD-1, R3	8	28	0.27	48	100	88	6.5	8 / 15	75 / 46	\$164.00
18W/8545K: 7” carbon paper cone, SD-1, R3, Glass former	8	28	0.28	48	100	87.5	6.5	9 / 19	70 / 42	\$167.00
Replacement voice coils and reconing are available for many Scan-speak products. Replacements for products that can't be repaired may be available at a discount.										

Replacement voice coils and reconing are available for many Scan-speak products. Replacements for products that can't be repaired may be available at a discount.

Scan-speak is creating a new line of loudspeakers called **Illuminator**. This new line will begin with three tweeters, a 5" and a 6" woofer.

The **Illuminator tweeters** will be available with a 3/4" dome and 1" dome. There will be two versions of the 1" dome, one with a shallow chamber on the back (perhaps more suitable for automotive use) and one with a deeper chamber on the back. The rear chambers have been designed to reduce rear wave reflections and to act as a heat sink. The tweeters have small flange sizes for mounting in tight spaces. The tweeter motors feature neodymium ring magnets and contoured pole pieces for an open flow to the rear chamber. Both sides of the voice coil gap are lined with copper shorting rings that enable brilliant high frequency extension while reducing distortion.

The **Illuminator mid woofers** have exceptionally long throw, producing the bass output of drivers one size up. Both the 5 1/4" and the 6 1/2" have peak a peak x-max of 10mm. This performance is achieved with a patent pending neodymium ring magnet motor that delivers a large force factor. The underhung voice coil is precision wound with CCAW ribbon wire on a titanium former for increased power handling. The vented pole piece has a contoured opening to eliminate any hint of turbulence noise. The uniquely shaped top plate and open frame ensure there is virtually no dynamic compression caused by restriction of the diaphragm back wave.

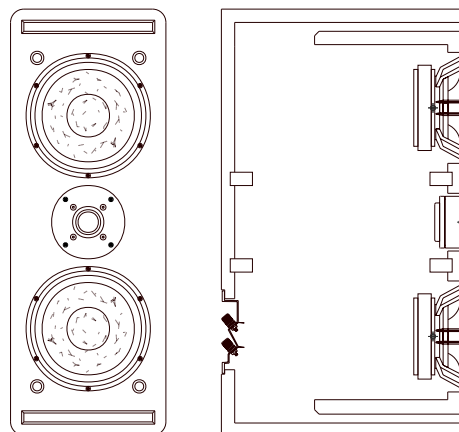
We will introduce these drivers on our website as they become available. www.madisound.com

SCANSPEAK The Solist SCANSPEAK

Madisound is pleased to offer **Solist**, a very precise MTM speaker system. We are confident that we have achieved a speaker that meets or exceeds the expectations of today's discerning Audiophile.

The **Solist** is capable of delivering the most demanding passage without losing the delicacy of every nuance. The **Solist** has an immediacy about it that elicits excitement in the listener, yet is never fatiguing. We have listened to the **Solist** on both transistorized amplifiers and tube amplifiers and found both to be pleasing.

The **Solist** is designed around the popular **Scan-speak 18W/8545K** carbon/paper cone 7" woofer. This **18W/8545K** features a heavily damped and carbon fibre impregnated paper cone that dampens resonances normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as lowering clipping distortion created as the voice coil exceeds its maximum linear excursion. This woofer uses the new Fiber Glass non-conducting high temperature voice coil former, which improves bass response and resolution in the midrange frequencies. A new type of rubber surround combines dynamic linearity with low coloration.



Width 8 3/4" Height 24" Depth 13 1/2"

The **Solist** high frequencies are reproduced by the **D2905/9700** tweeter. The **D2905/9700** tweeter which uses the same motor as the Revelator tweeter, but with the standard flange. The Revelator motor is state of the art, using SD caps and shorting rings that minimize electrical phase shift. The top plate has been carefully machined to reduce air noises and compression from behind the dome and to assist in cooling the voice coil. The hand coated textile dome is a refinement of earlier versions and also incorporates a special device behind the dome to minimize dynamic compression. The 28mm voice coil uses plastic coated aluminum wire on an aluminum voice coil former. No ferrofluid is used in the air gap.



The **crossover** network was designed using our anechoic chamber, Audio Precision and the Linearx Leap software. The acoustical 18dB bi-wire network yields a seamless response from 40Hz to 20KHz. This **Premium** crossover uses some 14 awg Goertz Copper Foil inductors, Solen Polypropylene capacitors, Hovland Musicaps and Eagle resistors.

The **cabinets** are fully assembled oak veneered MDF with solid rounded oak corners in clear coat or black painted finish. The front and back are black and the front is covered by a full black grill. You can further upgrade the cabinet by installing the Deflex damping pads to reduce cabinet resonances and cut down on internal reflections.

Price per pair without cabinets \$1140.00

Deflex Panel Upgrade: 10 panels and glue: Add \$103.86

Supra Classic wiring is supplied for internal wiring.
Cabinets are no longer available for this speaker.

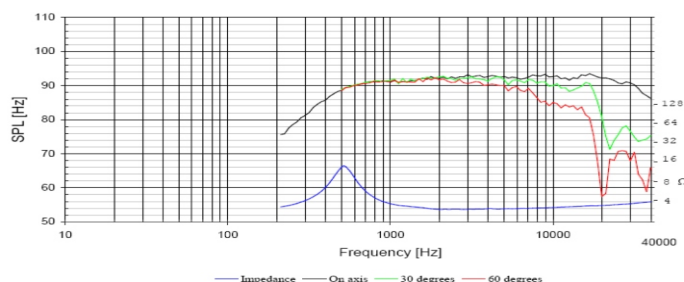
SCANSPEAK

D3004/6600-00 AirCirc 4Ω

The new D3004/660000 builds on the experience of the one-inch R29 ring radiator, resulting in low resonance frequency, but further provides the extended dispersion characteristics of a 3/4-inch dome. Tymphany's unique AirCirc Magnet System — named for the way it optimizes air flow within the chamber — rearranges the traditional magnet structure from a single magnet to an open magnetic circuit comprised of six separate neodymium slugs. This, in combination with the chamber, results in the elimination of the reflections and resonances that compromise the performance of traditional motors.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	92.5dB	Lin. & max. excursion	±0.2 / ±1.6 mm
Free air resonance F _s	520 Hz	Air gap flux density	-
DC resistance	3.0 ohm	Force factor BL Product	2.5 Tm
V.C. inductance	0.03 mH	Moving mass incl. air	0.35 g
Power 12dB@Hz	160W@2.5K	Outside diameter	104 mm
Effective cone area	7 cm ²	Cutout diameter	77 mm
V.C. diameter	26 mm	Flange thickness	5 mm
V.C. height	2.1 mm	Depth	23 mm
Air gap height	2.5 mm	Screw Circle	90 mm





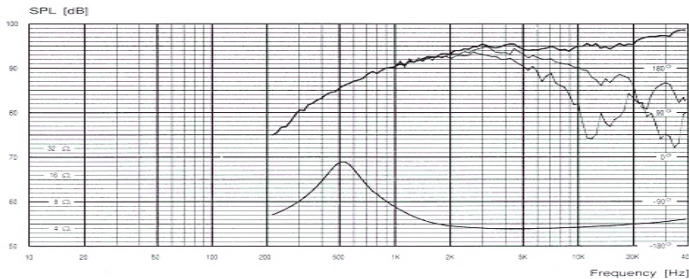
R2904/7000-00 4Ω

The R2904/7000 tweeter is the new flagship tweeter in the Scan-speak line. This tweeter incorporates many innovative design concepts.

The first notable difference is the use of a phase plug. The dome is attached to the phase plug, so the radiating area is now concentrated around the voice coil. This offers more control and reduces distortion and loss that occur at the center of the dome on dome tweeters. The phase plug also acts as a wave guide, reducing high frequency cancellations. A specially designed venting system uses a needle to cut down on turbulence in the air cavity. Better dynamics are achieved by not using ferrofluid, voice coil cooling is performed by the venting system and conduction through copper rings. The new SD-2 neodymium magnet system improves transient response.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	94.5dB	Effective cone area	5.6 cm ²
Free air resonance Fs	520 Hz	V.C. diameter	28 mm
DC resistance	3.0 ohm	Lin. & max. excursion	±0.2 / ±1.6mm
V.C. inductance	0.01 mH	Force factor BL Product	2.8 Tm
Power 12dB@Hz	150W@2.7K	Moving mass incl. air	0.3 g
		Net weight	0.42 kg



D2904/7100-00 4Ω

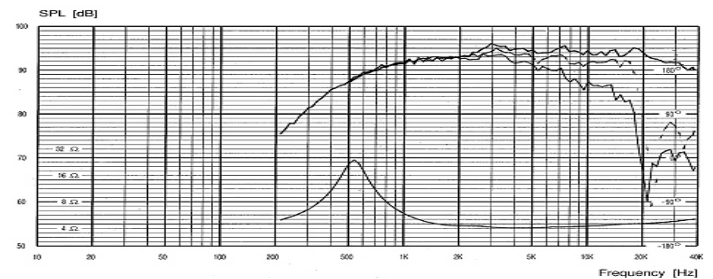
The D2904/7100 tweeter is a 1" soft dome with wide surround, using the same chamfering as the Ring Radiator.

The carefully designed dome and surround result in a linear response and an exceptionally good off axis response. Note the smooth roll off on the low end, making this tweeter a good choice for simple slopes.

A specially designed venting system uses a needle to cut down on turbulence in the air cavity. Better dynamics are achieved by not using ferrofluid, voice coil cooling is performed by the venting system and conduction through copper rings. The new SD-2 neodymium magnet system improves transient response.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	94.5dB	Effective cone area	7 cm ²
Free air resonance Fs	520 Hz	V.C. diameter	28 mm
DC resistance	3.0 ohm	Lin. & max. excursion	±0.2 / ±1.6mm
V.C. inductance	0.01 mH	Force factor BL Product	2.8 Tm
Power 12dB@Hz	160W@2.5K	Moving mass incl. air	0.35 g
		Net weight	0.42 kg

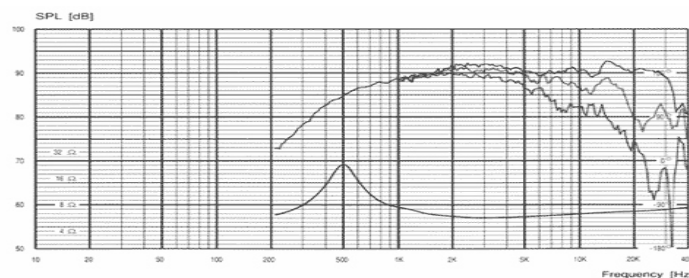


D2905/9900 Revelator Dome Tweeter

The D2905/9900 is our state of the art tweeter. This "revelation" is a 1" textile dome tweeter that will reach new borders within high-end loudspeaker drive units. The new magnet system with SD caps and rings that eliminate the electrical phase shift. The new chamber design reduces air noises and compression. The 130mm machined aluminum front plate has more controlled directivity (down to 2KHz). The textile dome is hand coated and a special device is placed behind it to reduce dynamic compression.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	91dB	V.C. height	-
Free air resonance Fs	500 Hz	Air gap height	-
DC resistance	4.7 Ω	Lin. & max. excursion	±0.4 / ±1.5 mm
V.C. inductance	0.01 mH	Air gap flux density	-
Power	225W@2.8kHz	BL	3.5 Tm
Effective cone area	8.5 cm ²	Moving mass incl. air	0.45 g
V.C. diameter	28 mm	Net weight	0.8 kg

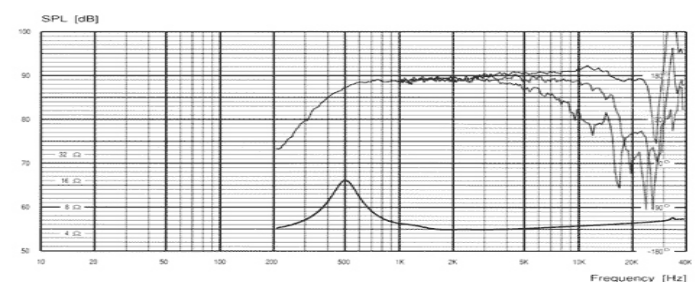


D2904/9800 4Ω

The D2904/9800 is a high-end 1" aluminum dome tweeter. The magnet system uses the Symmetric Drive technology that almost eliminates electrical phase shift. The specially designed chamber reduces air noise and compression. The geometry of the dome causes the "break-up" to appear beyond the audible range. A specially designed diffuser is used to equalize the response in the upper octave. The tweeter has a very clear and open sound.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	90dB	Lin. & max. excursion	±0.1 / ±1.5 mm
Free air resonance Fs	500 Hz	Air gap flux density	-
DC resistance	3.5 ohm	Force factor BL Product	2.8 Tm
V.C. inductance	0.01 mH	Moving mass incl. air	0.50 g
Power 12dB@Hz	160W@2.8K	Net weight	0.7 kg
Effective cone area	8.5 cm ²	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-

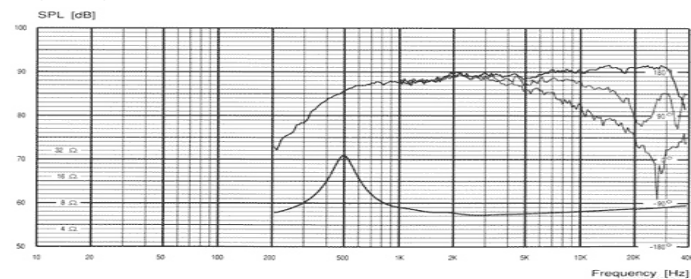




D2905/9700 1" Dome Tweeter

The D2905/9700 uses the same hand coated dome and voice coil of the D2905/9500, but uses the motor system of the Revelator. The Symmetric Drive technology eliminates almost all electrical phase shift. The carefully machined top plate minimize air noise and compression. Copper caps act as heat conductors. High power handling is achieved without ferrofluid and improves micro-dynamic linearity. The tweeter has excellent dynamic and detailing capability.

TECHNICAL DATA:			
Sensitivity 2.83V/1M	89.5dB	Lin. & max. excursion	±0.4/ ±1.5 mm
Free air resonance Fs	500 Hz	Air gap flux density	-
DC resistance	4.7 Ω	BL	3.5 Tm
V.C. inductance	0.01 mH	Moving mass incl. air	0.45 g
Power	225W@2.8kHz	Net weight	0.7 kg
Effective cone area	8.5 cm ²	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-

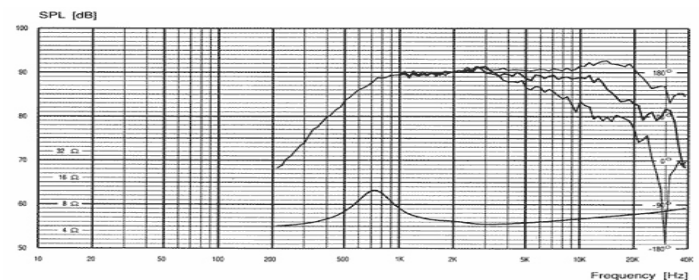


D2904/6000-01 4Ω

The D2904/6000-01 tweeter has a 1" coated textile dome and a neodymium magnet system. This speaker uses a compact self shielding Symmetric Drive magnet system, utilizing three powerful neodymium magnets. The cavity under the voice coil is coupled to the chamber through eight holes in the top plate. Pure cotton is used as damping material. The textile diaphragm is carefully hand coated. The reproduction is very dynamic and open, with low levels of compression. Perfect for A/V. Also available with grill as D2904/6000-00.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	90.5dB	Effective cone area	8 cm ²
Free air resonance Fs	750 Hz	V.C. diameter	28 mm
DC resistance	3.5 ohm	Lin. & max. excursion	±0.25 / ±1.3mm
V.C. inductance	0.02 mH	Force factor BL Product	2.7 Tm
Power 12dB@Hz	150W@2.7K	Moving mass incl. air	0.4 g
		Net weight	0.13 kg

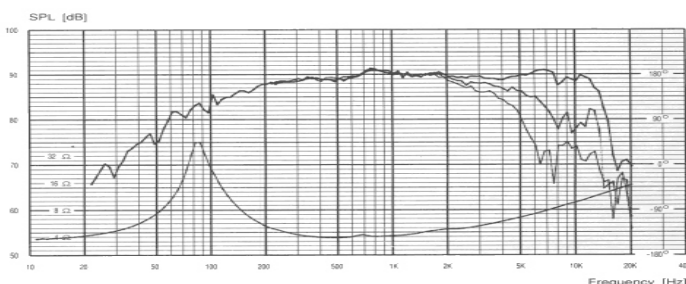


12M/4631G 4Ω Revelator 4.5" Midrange

The 12M/4631G is a Revelator driver using the "slit cone" technology. Some of the slits are used to control cone resonance and the other set of slits add rigidity. This speaker also has the new dynamic linear suspension for lower compression and higher linearity. Every facet of this driver is designed to reduce resonance in all structures. A neodymium magnet has been chosen to reduce the depth, yet increase the magnetic energy. The short field length of a neodymium magnet also allows this driver to be used for A/V.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	89dB	V.C. height	-
Free air resonance Fs	75 Hz	Air gap height	-
DC resistance	3.2 Ω	Lin. & max. excursion	±3/ ±7 mm
V.C. inductance	0.22 mH	Air gap flux density	-
Power	40W	BL	5.3 Tm
Effective cone area	49 cm ²	Moving mass incl. air	6.5 g
V.C. diameter	38 mm	Net weight	0.51 kg

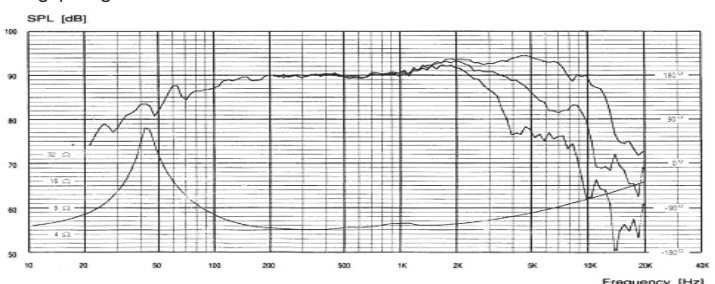


15M/4531K-00 4Ω

The 15M/4531K-01 is a 5 1/2" Revelator midrange. It features a slit-paper non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow, glass fiber voice coil former and resonance terminating mounting system. The 15M/4531K is intended for use as a midrange, with a usable frequency range between 100Hz and 6kHz. As you can see from the response curve, this speaker has a lot of energy in the upper frequency range.



TECHNICAL DATA:			
Sensitivity 2.83V/1M	90 dB	Lin. & max. excursion	±3 & ±8mm
Free air resonance Fs	35 Hz	Air gap flux density	-
DC resistance	3.5 ohm	Force factor BL Product	6.0 Tm
V.C. inductance	0.17 mH	Moving mass incl. air	11 g
Power 12dB@Hz	60W	Net weight	1.6 kg
Effective cone area	95 cm ²	Vas	24 ltrs
V.C. diameter	38 mm	Qms	4.8
V.C. height	-	Qes	0.24
Air gap height	-	Qts	0.22





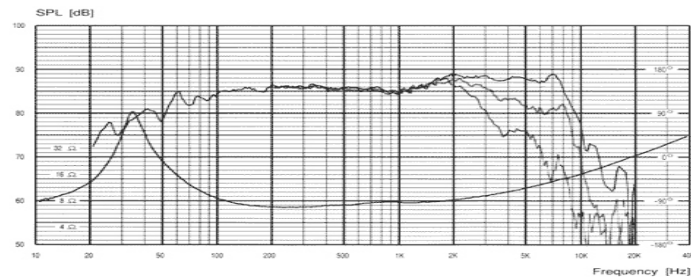
15S/8530K-01 - Magnetically Shielded

The 15S/8530K-01 is a 5 1/2" Revelator mid/woofer. It features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability make the 15W have more musical and dynamic capability than any other 5 1/2" we know of. Shielded for use near a CRT.



TECHNICAL DATA:

Sensitivity 2.83V/1M	84.5dB	Lin. & max. excursion	±6.5 & ±9mm
Free air resonance F _s	30 Hz	Air gap flux density	-
DC resistance	5.8 ohm	Force factor BL Product	6.1 Tm
V.C. inductance	0.35 mH	Moving mass incl. air	13 g
Power 12dB@Hz	60W	Net weight	1.3 kg
Effective cone area	95 cm ²	Vas	28 ltrs
V.C. diameter	38 mm	Q _{ms}	4.9
V.C. height	-	Q _{es}	0.38
Air gap height	-	Q _{ts}	0.35





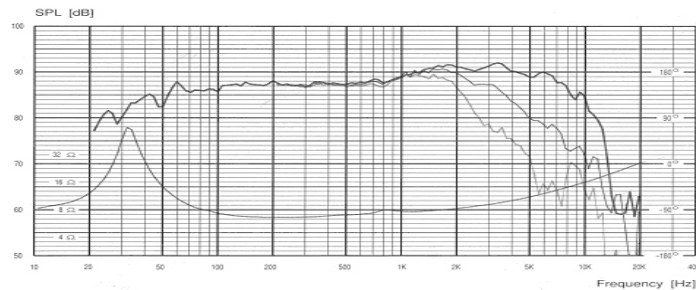
18W/8531G 8Ω

The 18W/8531G-00 is a 7" Revelator mid/woofer. It features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability. The 18W/8531G should have an F3 of about 50Hz sealed and 35Hz vented.



TECHNICAL DATA:

Sensitivity 2.83V/1M	87dB	Lin. & max. excursion	±6.5 / ±11 mm
Free air resonance Fs	27.5 Hz	Air gap flux density	-
DC resistance	5.8 ohm	Force factor BL Product	6.7 Tm
V.C. inductance	0.35 mH	Moving mass incl. air	15.5 g
Power	70W	Net weight	1.75 kg
Effective cone area	150 cm ²	Vas	61 ltrs
V.C. diameter	38 mm	Qms	5.0
VC height	-	Qes	0.39
Air gap	-	Qts	0.36



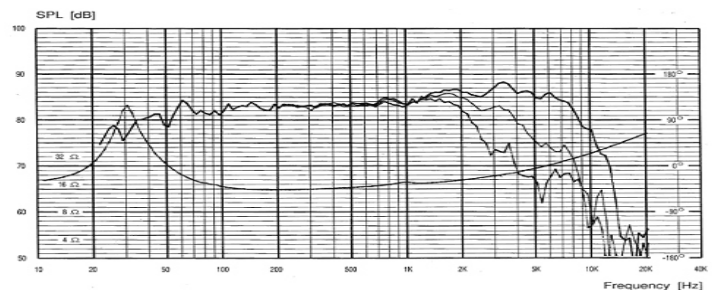
18W/16531G 16Ω

The 18W/16531G-00 is a 7" Revelator mid/woofer. It features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability. This is a 16 ohm woofer, a perfect choice for multiple woofer systems.



TECHNICAL DATA:

Sensitivity 2.83V/1M	83dB	Lin. & max. excursion	±6.5 / ±11 mm
Free air resonance Fs	27 Hz	Air gap flux density	-
DC resistance	12.2 ohm	Force factor BL Product	9.4 Tm
V.C. inductance	0.6 mH	Moving mass incl. air	18 g
Power	60W	Net weight	1.75 kg
Effective cone area	150 cm ²	Vas	61.5 ltrs
V.C. diameter	38 mm	Qms	4.7
VC height	-	Qes	0.42
Air gap	-	Qts	0.39



22W/4851T 4Ω

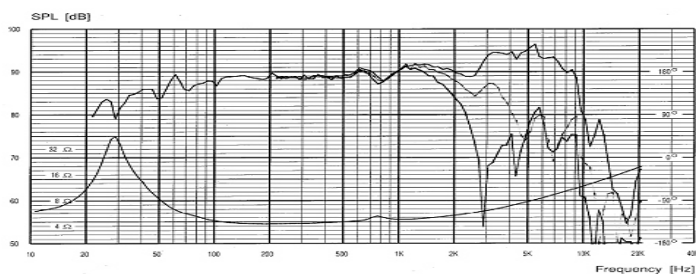
The 22W/4851T is a new addition to the Revelator line. This robust 8" woofer was designed to provide deep and accurate bass in a small enclosure. This woofer features a 2" voice coil on a titanium former, a low loss linear suspension and symmetric drive motor. The deep set hard paper cone is attached to the frame with a minimal reflection rubber surround. The 9mm X-max insures good linear travel.

We suggest a 1.2 cubic foot enclosure with a 2"Ø vent by 8" long for and F3 of 50Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	89 dB	Lin. & max. excursion	±9 / ±14 mm
Free air resonance Fs	20.5 Hz	Air gap flux density	-
DC resistance	3.7 ohm	Force factor BL Product	8.2 Tm
V.C. inductance	0.3 mH	Moving mass incl. air	32.5 g
Power	170 W	Net weight	3.6 kg
Effective cone area	220 cm ²	Vas	127 ltrs
V.C. diameter	50 mm	Qms	5.2
VC height	-	Qes	0.23
Air gap	-	Qts	0.22



22W/8851T 8Ω

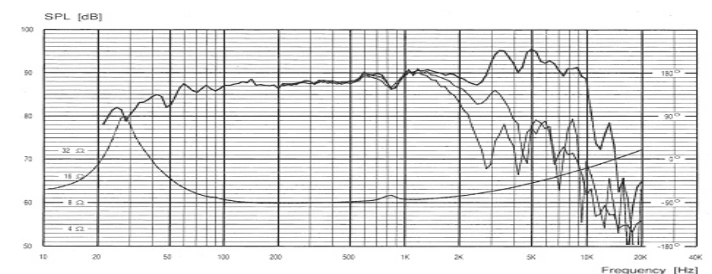
The 22W/8851T is a new addition to the Revelator line. This robust 8" woofer was designed to provide deep and accurate bass in a small enclosure. This woofer features a 2" voice coil on a titanium former, a low loss linear suspension and symmetric drive motor. The deep set hard paper cone is attached to the frame with a minimal reflection rubber surround. The 9mm X-max insures good linear travel.

We suggest a 1.2 cubic foot enclosure with a 2.5"Ø vent by 8" long for and F3 of 38Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	88 dB	Lin. & max. excursion	±9 / ±14 mm
Free air resonance Fs	21 Hz	Air gap flux density	-
DC resistance	6.2 ohm	Force factor BL Product	9.9 Tm
V.C. inductance	0.35 mH	Moving mass incl. air	31 g
Power	170 W	Net weight	3.6 kg
Effective cone area	220 cm ²	Vas	127 ltrs
V.C. diameter	50 mm	Qms	5.1
VC height	-	Qes	0.26
Air gap	-	Qts	0.25





22W/8857T 8

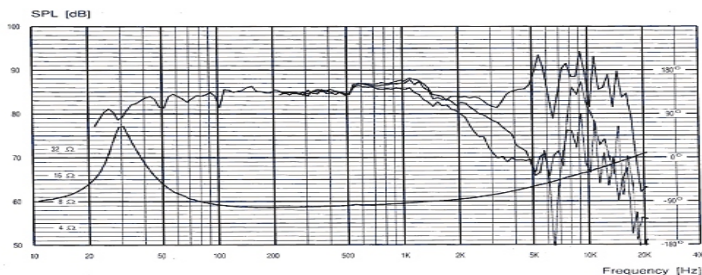
The 22W/8857T is a new addition to the Revelator line. This robust 8" woofer was designed to provide deep and accurate bass in a small enclosure. This woofer features a 2" voice coil on a titanium former, a low loss linear suspension and symmetric drive motor. The deep set black aluminum cone is attached to the frame with a minimal reflection rubber surround. The 9mm X-max insures good linear travel.

We suggest a 1.2 cubic foot enclosure with a 2" Ø vent by 8" long for and F3 of 38Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	86 dB	Lin. & max. excursion	±9 / ±14 mm
Free air resonance Fs	23 Hz	Air gap flux density	-
DC resistance	6.2 ohm	Force factor BL Product	10.1 Tm
V.C. inductance	0.35 mH	Moving mass incl. air	37 g
Power	170 W	Net weight	3.6 kg
Effective cone area	220 cm ²	Vas	89 ltrs
V.C. diameter	50 mm	Qms	4.9
VC height	-	Qes	0.32
Air gap	-	Qts	0.30



26W/8861T 8Ω

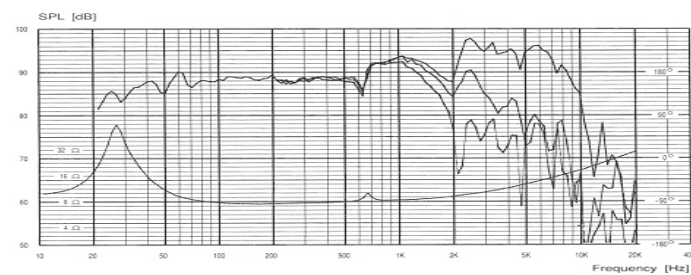
The 26W/8861T is a new addition to the Revelator line. This robust 10" woofer was designed to provide deep and accurate bass in a small enclosure. This woofer features a 2" voice coil on a titanium former, a low loss linear suspension and symmetric drive motor. The deep set hard paper cone is attached to the frame with a minimal reflection rubber surround. The 9mm X-max insures good linear travel.

We suggest a 2.75 cubic foot enclosure with a 3"Ø vent by 9.5" long for and F3 of 30Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	88.5 dB	Lin. & max. excursion	±9 / ±14 mm
Free air resonance Fs	19 Hz	Air gap flux density	-
DC resistance	6.2 ohm	Force factor BL Product	9.9 Tm
V.C. inductance	0.35 mH	Moving mass incl. air	43.5 g
Power	170 W	Net weight	3.7 kg
Effective cone area	320 cm ²	Vas	234 ltrs
V.C. diameter	50 mm	Qms	5.2
VC height	-	Qes	0.33
Air gap	-	Qts	0.31



26W/4867T 4Ω

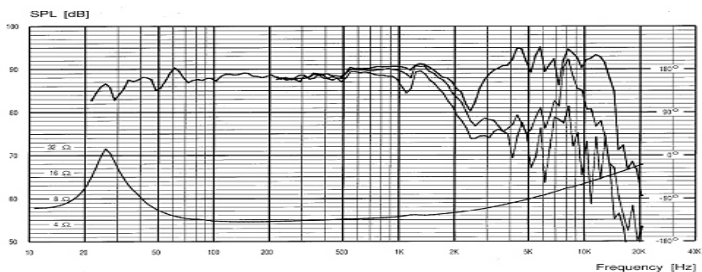
The 26W/4867T a new black Aluminum cone woofer. Aluminum is a good material for subwoofer cones, very stiff and light. These cones reduce distortion and also help cool the voice coil, by conducting heat away from the coil. This woofer has a low loss suspension for increased bass response and the SD-1 motor system for less intermodulation distortion. Very rigid cast frame, large windows.

We recommend a 2.5 cubic foot enclosure with a 3" diameter vent by 10" long, the F3 would be about 29Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	89 dB	Lin. & max. excursion	±9 / ±14 mm
Free air resonance Fs	18 Hz	Air gap flux density	-
DC resistance	3.7 ohm	Force factor BL Product	8.3 Tm
V.C. inductance	0.25 mH	Moving mass incl. air	51 g
Power	170 W	Net weight	3.7 kg
Effective cone area	320 cm ²	Vas	223 ltrs
V.C. diameter	50 mm	Qms	5.8
VC height	-	Qes	0.31
Air gap	-	Qts	0.30



26W/8867T 8Ω

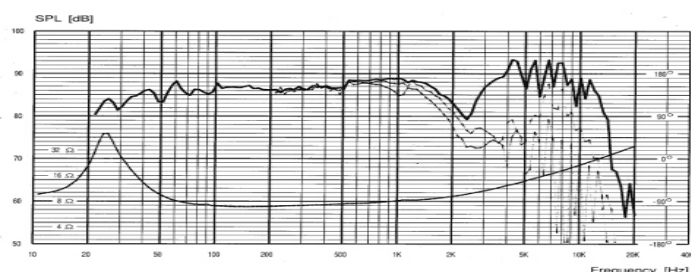
The 26W/8867T a new black Aluminum cone woofer. Aluminum is a good material for subwoofer cones, very stiff and light. These cones reduce distortion and also help cool the voice coil, by conducting heat away from the coil. This woofer has a low loss suspension for increased bass response and the SD-1 motor system for less intermodulation distortion. Very rigid cast frame, large windows.

We recommend a 2.3 cubic foot enclosure with a 3" diameter vent by 11" long, the F3 would be about 29Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	87 dB	Lin. & max. excursion	±9 / ±14 mm
Free air resonance Fs	19 Hz	Air gap flux density	-
DC resistance	5.8 ohm	Force factor BL Product	11.2 Tm
V.C. inductance	0.4 mH	Moving mass incl. air	57 g
Power	170 W	Net weight	3.7 kg
Effective cone area	320 cm ²	Vas	179 ltrs
V.C. diameter	50 mm	Qms	4.5
VC height	-	Qes	0.31
Air gap	-	Qts	0.29





23W/4557T 4Ω

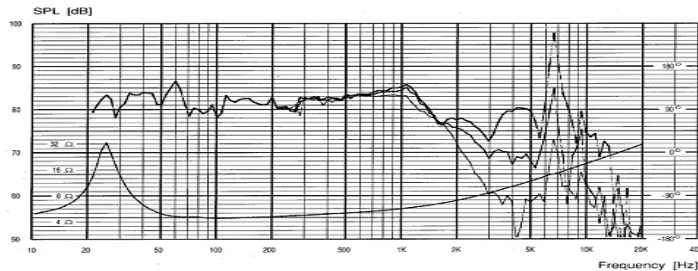
The 23W/4557T is a very high end subwoofer, designed to be used with a passive radiator in a small enclosure. This sub has a very rigid aluminum cone, low loss rubber surround and cast frame. The passive radiator is similar, but with a weight attached to the bass of the cone. The 23W/4557T is using the SD-1 motor system. There are gold plated binding posts and the woofer is covered by a decorative rubber cap.

Frequency response with the passive is down to 25Hz. One cubic foot sealed has an F3 of 33Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	82 dB	Lin. & max. excursion	±13 / ±20 mm
Free air resonance Fs	20.5 Hz	Air gap flux density	-
DC resistance	3.45 ohm	Force factor BL Product	9.3 Tm
V.C. inductance	0.45 mH	Moving mass incl. air	101 g
Power	225 W	Net weight	4.6 kg
Effective cone area	232 cm ²	Vas	45.6 ltrs
V.C. diameter	50 mm	Qms	4.8
VC height	-	Qes	0.52
Air gap	-	Qts	0.47





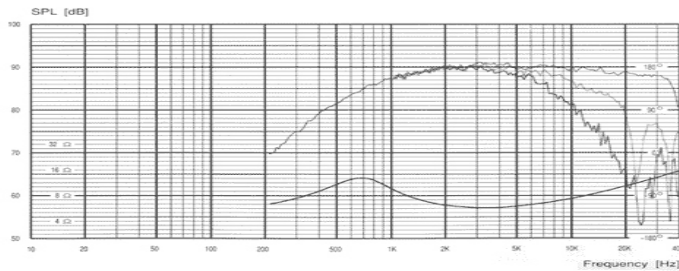
D2905/9300 1" Dome Tweeter

The D2905/9300 is a 1" textile dome tweeter with a very flat frequency response and low distortion. The D2905/9300 achieves a lower resonance and increased clarity by using several coatings of damping material on the dome and chambering behind the dome. Both these damping factors and the use of a light magnetic fluid, reduce the resonances as much as possible, while reducing compression affects. This tweeter's linear response and openness make it a good choice for any system.



TECHNICAL DATA:

Sensitivity 2.83V/1M	90dB	Lin. & max. excursion	$\pm 0.4 / \pm 1.5$ mm
Free air resonance Fs	650 Hz	Air gap flux density	-
DC resistance	4.7 ohm	Force factor BL Product	3.5 Tm
V.C. inductance	0.08 mH	Moving mass incl. air	0.45 g
Power 12dB@Hz	150W@2.5K	Net weight	0.7 kg
Effective cone area	8.5 cm ²	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



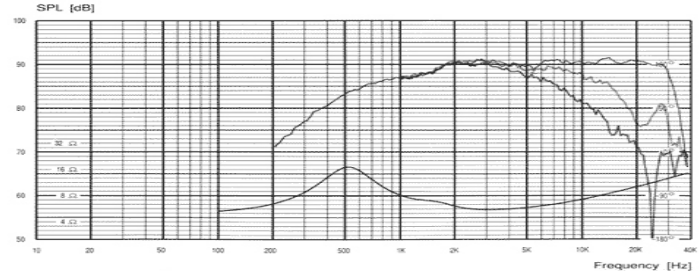
D2905/9500 1" Dome Tweeter

The D2905/9500 is similar to the D2905/9300, but with a non-resonant chamber. The optimized pole piece geometry reduces flow resistance and the anti-resonator-plug in the rear chamber eliminates turbulence. A light ferrofluid is used in the air gap to ensure optimal linear mechanical behavior and minimal micro-dynamic non-linearity. This tweeter has a smooth transparent sound and very low levels of distortion. A perfect choice for any high end system.



TECHNICAL DATA:

Sensitivity 2.83V/1M	90dB	Lin. & max. excursion	$\pm 0.4 / \pm 1.5$ mm
Free air resonance Fs	550 Hz	Air gap flux density	-
DC resistance	4.7 ohm	Force factor BL Product	3.5 Tm
V.C. inductance	0.08 mH	Moving mass incl. air	0.45 g
Power 12dB@Hz	150W@2.5K	Net weight	0.7 kg
Effective cone area	8.5 cm ²	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



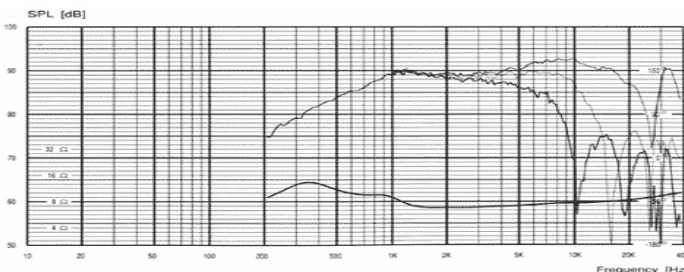
D3806/8200 1.5" Dome Mid/Tweeter

The D3806/8200 is a dome midrange/tweeter. The magnet system incorporates the Symmetric Drive technology. The pole piece is vented and damped by a porous foam pad for correct tuning and coupling of the rear chamber. The surround is partially covered by a front ring to minimize distortion and improve phase response. The low resonance allows for a low crossover point. The frequency response is smooth and the tweeter has good dispersion.



TECHNICAL DATA:

Sensitivity 2.83V/1M	90dB	Lin. & max. excursion	$\pm 0.4 / \pm 1$ mm
Free air resonance Fs	450 Hz	Air gap flux density	-
DC resistance	5.7 ohm	Force factor BL Product	3.8 Tm
V.C. inductance	0.04 mH	Moving mass incl. air	0.90 g
Power 12dB@Hz	100W@1kHz	Net weight	1.2 kg
Effective cone area	14 cm ²	Vas	-
V.C. diameter	38 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



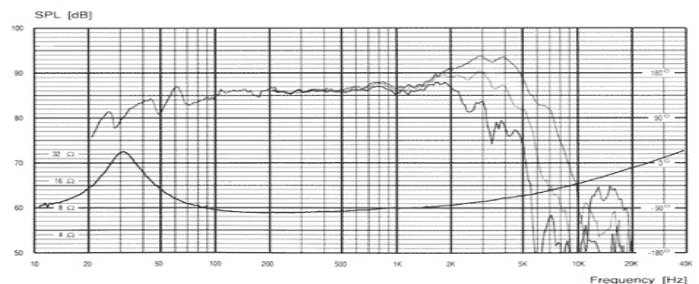
18W/8535 7" Carbon/Paper Woofer

The 18W/8535 woofer features the SD-1 magnet system which almost eliminates modulation and dynamic distortion and reduce clipping when the drivers is taken beyond linear excursion. The carbon fiber filled paper cone is impregnated and coated to damp resonance. The low loss rubber surround combines dynamic linearity with low coloration. The smaller magnet increases the Qts making this driver a good choice for a sealed enclosure.



TECHNICAL DATA:

Sensitivity 2.83V/1M	86.5dB	Lin. & max. excursion	$\pm 5 / \pm 10$ mm
Free air resonance Fs	26 Hz	Force factor BL Product	5.7 Tm
DC resistance	5.8 ohm	Moving mass incl. air	15.5 g
V.C. inductance	0.3 mH	Net weight	2.5 kg
Power	70W	Vas	72 liters
Effective cone area	145 cm ²	Qms	2.50
V.C. diameter	38 mm	Qes	0.45
V.C. height	15 mm	Qts	0.38
Air gap height	5 mm		





18W/8542

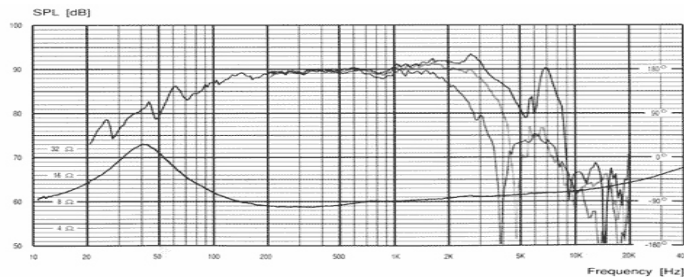
7" Paper Cone Woofer

This 7" woofer features a coated paper cone that delivers very smooth and warm reproduction with excellent detailing. We recommend this driver for high quality 2-way systems of bass reflex design. This driver has the SD magnet system, magnesium cast frame, aluminum former and wire. The surround is a double coated foam material with long term stability.



TECHNICAL DATA:

Sensitivity 2.83V/1M	89dB	Lin. & max. excursion	$\pm 6.5 / \pm 10$ mm
Free air resonance fs	30 Hz	Air gap flux density	1.1T
DC resistance	5.5 ohm	Force factor BL Product	7.8 Tm
V.C. inductance	0.2 mH	Moving mass incl. air	15 g
Power	70W	Net weight	2.4 kg
Effective cone area	143 cm ²	Vas	49 ltr
V.C. diameter	42 mm	Qms	1.70
V.C. height	19 mm	Qes	0.26
Air gap height	6 mm	Qts	0.22



18W/8543

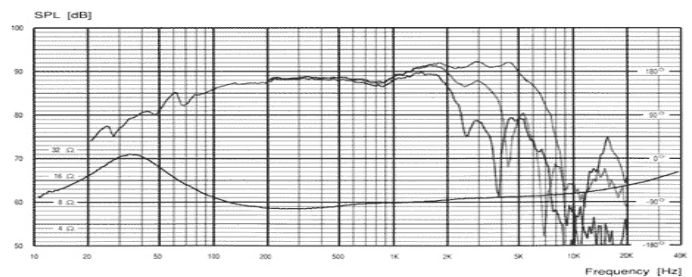
7" Poly Cone Woofer

The 18W/8543 is a Polypropylene cone woofer, that provides a deep and tight bass combined with excellent midrange clarity. This driver will perform well in a 2-way bass reflex system. The frame is cast magnesium with a resonance free PVC/rubber surround. The long throw all aluminum voice coil is joined to the basket with a linear spider.



TECHNICAL DATA:

Sensitivity 2.83V/1M	88.5dB	Lin. & max. excursion	$\pm 6.5 / \pm 10$ mm
Free air resonance fs	30 Hz	Air gap flux density	1.1 T
DC resistance	5.5 ohm	Force factor BL Product	7.8 Tm
V.C. inductance	0.2 mH	Moving mass incl. air	15 g
Power	80W	Net weight	2.4 kg
Effective cone area	143 cm ²	Vas	49 liters
V.C. diameter	42 mm	Qms	1.40
V.C. height	19 mm	Qes	0.26
Air gap height	6 mm	Qts	0.22



18W/8545

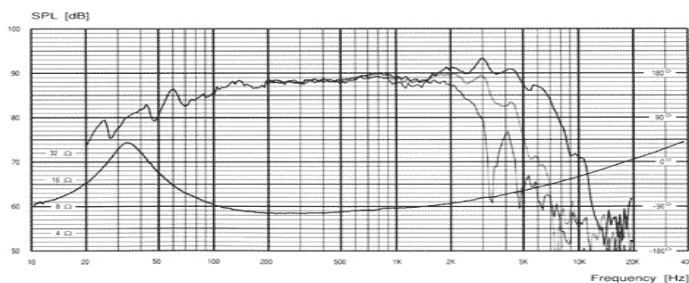
7" Carbon fibre Paper Woofer

This 7" features the heavily damped and carbon fibre impregnated paper cone that dampens resonances normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear excursion. These designs all together make a drive unit with a very "open" sound with excellent detailing combined with low coloration and very precise imaging. Cast frame, rubber surround.



TECHNICAL DATA:

Sensitivity 2.83V/1M	88dB	Lin. & max. excursion	$\pm 6.5 / \pm 10$ mm
Free air resonance Fs	28 Hz	Force factor BL Product	8.0 Tm
DC resistance	5.5 ohm	Moving mass incl. air	20 g
V.C. inductance	0.4 mH	Net weight	2.3 kg
Power	100W	Vas	48 liters
Effective cone area	145 cm ²	Qms	2.30
V.C. diameter	42 mm	Qes	0.30
V.C. height	19 mm	Qts	0.27
Air gap height	6 mm		



18W/8545K

7" Carbon fibre Paper Woofer

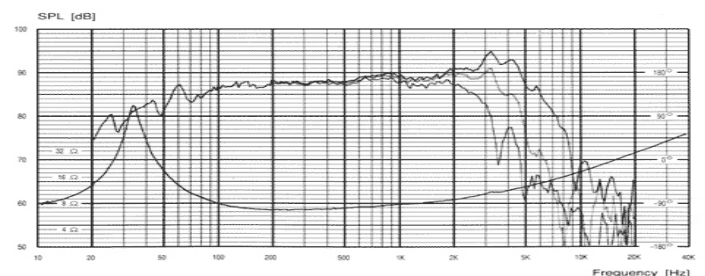
This 7" features the heavily damped and carbon fibre impregnated paper cone that dampens resonances normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear excursion. This driver uses a fiberglass voice coil former. This is also a good driver for autosound applications.

Try it in a 1/2 cubic foot box with a 1.5" diameter vent by 5.2" long, f3 48Hz.



TECHNICAL DATA:

Sensitivity 2.83V/1M	87.5dB	Lin. & max. excursion	$\pm 6.5 / \pm 10$ mm
Free air resonance Fs	28 Hz	Force factor BL Product	8.2 Tm
DC resistance	5.5 ohm	Moving mass incl. air	20.5 g
V.C. inductance	0.4 mH	Net weight	2.4 kg
Power	100W	Vas	48 liters
Effective cone area	145 cm ²	Qms	5.20
V.C. diameter	42 mm	Qes	0.30
V.C. height	19 mm	Qts	0.28
Air gap height	6 mm		





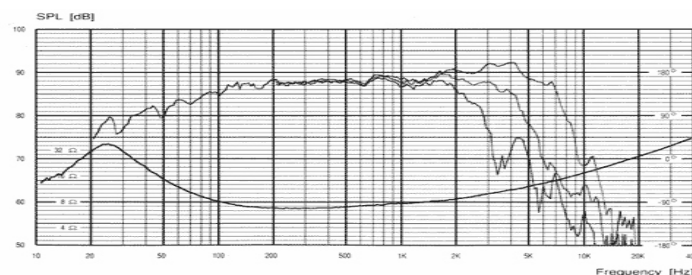
18W/8546 7" Kevlar Woofer

This new 7" Kevlar cone magnesium cast frame woofer features the new SD-1 magnet system, that eliminates modulation and dynamic distortion, as well as lowering clipping distortion caused when the driver exceeds it's linear excursion. The new magnet system coupled with a new non resonant low loss linear suspension, gives you a drive unit with a very "open" sound with excellent dynamic range and detailing combined with low coloration and very precise imaging.



TECHNICAL DATA:

Sensitivity 2.83V/1M	88dB	Lin. & max. excursion	$\pm 6.5 / \pm 10$ mm
Free air resonance Fs	22 Hz	Force factor BL Product	8.0 Tm
DC resistance	5.5 ohm	Moving mass incl. air	18.5 g
V.C. inductance	0.4 mH	Net weight	2.4 kg
Power	100W	Vas	84 liters
Effective cone area	145 cm ²	Qms	1.70
V.C. diameter	42 mm	Qes	0.22
V.C. height	19 mm	Qts	0.19
Air gap height	6 mm		



21W/8554 8" Kevlar Woofer

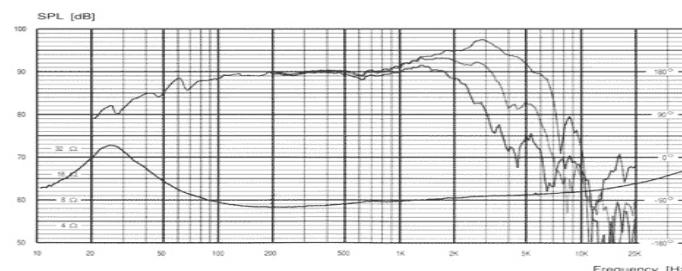
This 8" cast magnesium/Aluminum frame woofer features a hand coated cast Kevlar cone with a hand coated foam surround. The magnet system uses the patented SD copper cap and symmetrically shaped pole piece for lower distortion. The damped cone and surround offer a good balance between clarity and tonal balance.

This driver is fast and accurate even with the most demanding transients. A good choice for any high end system.



TECHNICAL DATA:

Sensitivity 2.83V/1M	90dB	Lin. & max. excursion	$\pm 6.5 / \pm 10$ mm
Free air resonance Fs	23 Hz	Force factor BL Product	8.0 Tm
DC resistance	5.5 ohm	Moving mass incl. air	20.5 g
V.C. inductance	0.2 mH	Net weight	2.4 kg
Power	110W	Vas	160 liters
Effective cone area	220 cm ²	Qms	1.70
V.C. diameter	42 mm	Qes	0.25
V.C. height	19 mm	Qts	0.22
Air gap height	6 mm		



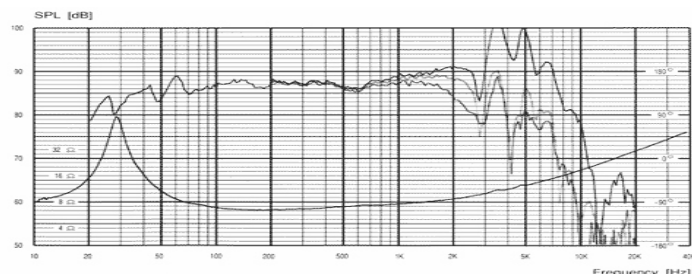
21W/8555 & 21W/8555-01

This 8" features a very stiff paper cone, heavily impregnated to reduce resonance's normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear distortion. The low-loss rubber surround is designed for better dynamic capability, detailing and less compression. Both the 21W/8555 and 21W/8555-01 will perform well either sealed or vented.

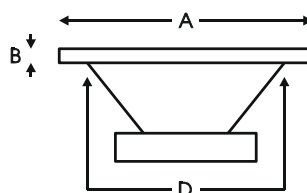


TECHNICAL DATA:

Sensitivity 2.83V/1M	87 / 87.5 dB	Lin. & max. excursion	$\pm 6.5 / \pm 12$ mm
Free air resonance Fs	20 / 19 Hz	BL	8.2 / 9.3Tm
DC resistance	5.5 Ω	Moving mass incl. air	32 / 36 g
V.C. inductance	0.4 / 0.6 mH	Net weight	2.40 kg
Power	100W	Vas	136 ltr
Effective cone area	220 cm ²	Qms	4.50 / 4.80
V.C. diameter	42 mm	Qes	0.33 / 0.27
V.C. height	19 mm	Qts	0.31 / 0.26
Air gap height	6 mm		



Driver Dimensions in Millimeters				
Unit	A	B	C	D
R2904/7000, D2904/7100	104	5.9	30.9	70
D2008/8512	92	3	38	69
D2010/8513	98	5	41	69
D2904/6000-00/01	59.5	3	29	41
D2904/9800	104.5	3	43	74
D2904/9400SE	104.5	3	41	74
D2905/9300, 9500, 9700	104.5	3	41	74
D2905/9900	130	5	48	90
D3806/8200	125	4	45	92
12M/4631G	115.5	3	48.4	92
13M/8636, 8640, 4535	130	6	48	100
15S/8530K-01	148	6	77	125
15W's	148	6	71	125
18S/8535	177	4	80	158
18S/8531G	182	5.5	86.2	158
18W/4531G, 8531G, 16531G	182	5.5	77	156
18W/8535, 8543, 8545/K, 8546	177	4	70	158
21W/8554	222	5	77	192
21W/8555's	222	5	81	192
22W/8851T	222	7	111	194
23W/4557T / Passive	255	6	135/73	225
25W's	255	6	86	228



25.4mm = 1"
 28.3 liters = 1 cubic foot
 1 cubic foot = 1728 cubic inches
 Box Volume = L x W x H
 We can assist you with your speaker design.

SEAS THOR KIT



THOR is the new top-of-the-line loudspeaker kit from SEAS. It is a full range, floor-standing system that provides the very highest level of acoustic performance.

This kit uses two W18E001 woofers and a single T25CF002 "MILLENNIUM" tweeter mounted in a D'Appolito configuration.

The enclosure uses a newly developed transmission line configuration, derived both from sophisticated computer modeling, and extensive experimentation. The line is tapered, and filled with Dacron stuffing. The two W18E001 woofers excite the line at slightly different points, smoothing the response and increasing the range of

bass output. Usable in-room bass response extends well into the low 30Hz range. Our cabinets are 45 1/2" T x 9" W x 14 1/4" D.

The crossover network is conventional except for a parallel circuit which suppresses the response peak due to the magnesium cone. The crossover frequency is 2.5kHz. Nordost 2-Flat wire supplied with kit.

THOR was designed by Dr. Joseph D'Appolito, who is world-renowned for his pioneering work on MTM-based loudspeaker configurations.

Pair with cabinets \$1955 (Black Oak, Walnut)

Pair with Sycamore or Mutenye \$2141

Price per pair w/o cabinets \$1365

Upgraded crossovers (Goertz coils, Musicaps) Add \$245

SEAS ODIN MK3 KIT



The Odin Mk3 is a completely redesigned version of the very popular Odin kit, utilizing the latest drive unit technologies from the Excel product line. This kit uses two W18E001 woofers and a single T25CF002 "MILLENNIUM" tweeter mounted in a D'Appolito configuration.

The cabinet is a bass reflex design with the vent placed in the rear. This directs any potential vent noises away from the listener, and allows for minimum baffle area in the front. The port tube is supported by an internal baffle which helps maintain equal air flow on each end of the tube, and also serves as

additional cabinet bracing. The port tuning frequency is 31Hz. Cabinet dimensions are 22" T x 9 1/2" W x 14 1/4" D.

The crossover network is conventional except for a parallel circuit which suppresses the response peak due to the magnesium cone. The crossover frequency is 2.5kHz.

The Odin Mk3 was designed by Dr. Joseph D'Appolito, and was developed as a companion kit to the Thor transmission line system. It is equally transparent, a true audiophile speaker. A premium crossover is also available and is well worth the spatial highs it delivers.

Pair with cabinets \$1745 (Cherry, Clear or Black Oak)

Pair with Sycamore or Mutenye \$1795

Price per pair w/o cabinets \$1365

Upgraded crossovers (Goertz coils, Musicaps) Add \$245.00

SEAS FROY MK3 KIT



The FROY MK3 is a new and improved version of the original FROY kit; utilizing the latest drive unit technologies from the Excel product line. This kit uses two W15CY001 woofers and a single T25CF002 "MILLENNIUM" tweeter mounted in a D'Appolito configuration.

The cabinet is a bass reflex design with the vent placed in the rear. This directs any potential vent noises away from the listener, and allows for minimum baffle area in the front. The port tube is constructed of two MDF boards which also serve as additional bracing for the cabinet. Our cabinet is 18 1/2" T x 8" W x 11 1/2" D.

The crossover network is conventional except for a parallel circuit which suppresses the response peak due to the magnesium cone. The crossover frequency is 2.2kHz.

The FROY Mk3 was designed by Murray Zeligman, who also designed the original FROY kit. Murray offers the following comments.

"The vented box is tuned about 15% lower than the ubiquitous QB3 alignment to yield a better damped bass response. Several hundred hours of laboratory testing and listening have gone into this system. You literally can't tell where the woofers leave off and the tweeter begins."

Price per pair without cabinets \$1120.00

SEAS LOKI KIT



8" W x 15" T x 11" D

The Seas Loki kit features a 7" coaxial speaker, where the tweeter is coincidentally mounted at the base of the woofer cone. The type of configuration allows the listener to hear the sound emanating from the tweeter and woofer at the same time, from any listening position.

In a conventional system, depending on where you are listening from, you may hear the individual components at different times, since you are physically at a different distance from each

speaker component. This delay time, as small as it is, is perceivable by the listener. This is why most multiple loudspeaker systems have a "sweet spot", where the speaker sounds best. The Loki sounds fantastic from a very large listening area, there is virtually no sweet spot.

This little speaker is a big performer and will surprise you with its big speaker sound stage. We suggest considering it for Home Theater (it is also magnetically shielded), computer speakers, satellite speakers for a subwoofer or just as stand alone book shelf speakers.

The cabinets are made from 3/4" MDF (1" front baffle) with real wood veneer. They are finished on all sides and come with a black grill on the front. The kit includes; the Seas T18RE/XFCTV2 (H1333) coaxial loudspeaker, the finished cabinets, an input cup with gold plated brass terminals, the crossover with air core inductors and polypropylene capacitors, screws, wire and instructions.

Price Each with cabinets \$281.00

Natural Cherry (not red), Maple or Black Painted Ash

Price Each w/o cabinets \$185.00

Visit the Seas web site at www.seas.no or the Madisound web site madisound.com for more info on these kits.



Model	Size Description	Ω	Fs Hz	Qts	Vas Liters	X-max mm Peak	VC Ø mm	Power Watts	Sens. 1W/1m db	Cost Per Unit
Exotic Full Range										
F8 X1-04	8" full range, alnico magnet, open weave spider	4	31	.39	146	2.1	26	35	96	\$930.00
F8 X1-08	8" full range, alnico magnet, open weave spider	8	32	.44	143	2.1	26	35	93	\$930.00
EXCEL Premium Tweeters					Voice Coils					
T25CF 002 (E0011)	Millennium tweeter, 25mm Sonotex, Hexadym magnet	6	500	H9929 \$38.90		26	90	89	\$224.30	
T25C 001 (E0006)	Seas Excel tweeter, Last call, discontinued	6	700	H9920 \$36.50		26	90	91	\$103.55	
T29AF 001 (E0039)	29mm Alum/Magn. alloy dome tweeter with chamber	6	500	H9938 \$38.05		26	100	92	\$214.35	
T29CF 001 (E0038)	29mm Sonotex fabric dome tweeter, with chamber	6	550	H9939 \$32.75		26	90	93	\$209.80	
T29CF 002 (E0040)	Crescendo tweeter, 29mm Sonotex, Hexadym magnet	6	500	H9939 \$32.75		26	90	92.5	\$335.90	
T29MF 001 (E0047)	Magnum 29mm Magnesium dome, Neo magnet	4	500			26	90	92	\$241.85	
EXCEL Premium Magnesium Cone Woofers with Copper Phase Plugs (E0026 has Alum./Mag.Alloy cone)										
W12CY 001 (E0021)	4.5" magnesium cone woofer with copper phase plug	8	45	.36	6	3	26	70	84	\$174.70
W15CH 001 (E0037)	5.5" magnesium cone woofer, copper phase plug, Neo	8	38	.42	14	4	26	70	85	\$218.65
W15CY 001 (E0015)	5.5" magnesium cone woofer with copper phase plug	8	38	.36	14	4	26	70	85.5	\$162.40
W16NX 001 E0049-04	6" magnesium cone woofer with copper phase plug	4	37	.33	15	7	39	80	88	\$225.35
W16NX 001 E0049-08	6" magnesium cone woofer with copper phase plug	8	39	.35	14	7	39	80	85	\$219.45
W18E 001 (E0018)	7" magnesium cone woofer with copper phase plug	8	34	.42	30	5	39	100	86	\$196.80
W18E 001/TV (E0027)	Magnetically shielded version of W18E-001	8	29	.29	56	5	39	100	87.5	\$203.65
W18EX 001 (E0017)	Larger magnet version of W18E-001	8	34	.26	30	5	39	100	88	\$199.80
W22EX 001 (E0022)	8" magnesium cone woofer with copper phase plug	8	25	.34	98	5	39	120	88	\$232.55
W26FX 001 (E0026)	10" aluminum alloy cone with copper phase plug	8	20	.35	162	7	51	150	87	\$341.70
EXCEL Premium Nextel Cone Midrange & Woofers with Phase Plugs										
M15CH 002 (E0043)	5" Nextel cone midrange, Neodymium magnet	6	67	.40	6	3	26	70	88.5	\$194.60
W12CY 003 (E0044)	4.5" Nextel coated paper, phase plug, wide range	8	60	.36	4	3	26	70	85.5	\$160.40
W15LY 001 (E0041)	5.5" Nextel coated paper cone woofer, phase plug	8	49	.45	12	5	26	60	86.5	\$151.25
W18NX 001 (E0042)	7" Nextel coated paper cone woofer, phase plug	8	40	.34	24	7	39	80	87.5	\$196.60
W22NY 001 (E0045)	8" Nextel coated paper cone woofer, phase plug	8	33	.30	72	7	39	90	90	\$240.20
W26FX 002 (E0046)	10" Nextel coated paper cone woofer, phase plug	8	31	.39	87	7	51	100	89	\$328.55
Prestige Line Tweeters										
22TAF/G (H1283)	22mm aluminum/magnesium alloy dome tweeter, grill	6	1100	H9940 \$21.70		19.5	80	92	\$34.15	
27TAFNC/G (H1397)	27mm aluminum dome, neodymium magnet, grill	4	1170	Not Repairable		26	90	90	\$31.75	
27TFFNC/G (H1396)	27mm textile dome, neodymium magnet, grill	4	1170	Not Repairable		26	80	91	\$31.75	
27TFFNC/CG H1406	27mm textile dome, truncated flange, neo, grill	4	1170	Not Repairable		26	80	91	\$32.00	
27TDFNC/GW H1461	27mm titanium dome, neodymium magnet, grill	6	750			26	100	91.5	\$89.05	
27TTFNC/GW H1462	27mm textile dome, neodymium magnet, grill	6	750			26	90	90.5	\$91.95	
27TBCD/GB-DXT H1499	27mm alum/mag alloy dome with DXT lens	6	900			26	55	92	\$52.15	
27TBC/G (H1147)	27mm alum./Magnesium dome tweeter, Chmb, no FF	6	600	H9932 \$18.45		26	55	92	\$42.65	
27TBFC/G (H1212)	27mm alum./Magnesium dome tweeter, Chmb, w/ FF	6	550	H9932 \$18.45		26	90	91.5	\$43.20	
27TDF (H1211)	27mm coated textile dome tweeter, w/ FF	6	900	H9933 \$15.85		26	90	91	\$32.80	
27TDC (H1149)	27mm textile dome tweeter, chambered, non-FF	6	550	H9933 \$15.85		26	55	90	\$39.90	
27TDFC (H1189)	27mm textile dome tweeter, chambered, w/ FF	6	550	H9933 \$15.85		26	90	90	\$40.40	
27TDFC/TV (H1210)	Shielded 27mm textile dome tweeter, w/ FF	6	800	H9933 \$15.85		26	90	89.5	\$40.60	
27TFFC (H0881)	27mm coated textile dome tweeter w/chamber	6	550	H9918 \$15.85		26	80	91	\$38.75	
29TAF/W (H1322)	29mm Aluminum/Magnesium alloy dome, w/ elastomer	6	950	H9941 \$25.85		26	100	91.5	\$48.55	
29TFF/W (H1318)	29mm fabric dome, with elastomer wave guide front	6	950	H9942 \$22.25		26	90	92	\$43.90	
Prestige Line Midranges and Woofers										
MCA12RC (H1304)	4.5" coated paper cone midrange, natural rubber surr.	8	68	.56	5	0.9	26	110	86	\$57.80
MCA15RCY (H1262)	5" coated paper cone midrange, natural rubber surr.	8	51	.25	12	1.7	26	100	89.5	\$67.50
CA12RCY (H1152)	4.5" coated paper cone woofer, raised spider	8	57	.31	5	3	26	60	86	\$63.25

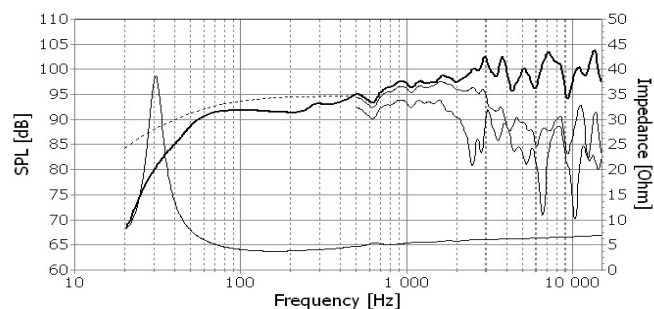
Model	Size Description	Ω	Fs Hz	Qts	Vas Liters	X-max mm Peak	VC Ø mm	Power Watts	Sens. 1W/1m db	Cost Per Unit
L12RCY/P (H1207)	4.5" Aluminum cone woofer with phase plug	8	50	.29	5	3	26	70	85.5	\$69.15
CA15RLY (H1216)	5" coated paper cone mid/woofer	8	44	.34	14	5	26	60	87.5	\$65.75
ER15RLY (H1455)	5" Reed/Paper pulp cone mid/woofer	8	44	.32	15	5	26	60	87.5	\$69.05
L15RLY/P (H1141)	5" aluminum cone woofer, phase plug, raised spider	8	44	.35	12	5	26	80	86	\$74.55
L16RN-SL (H1480)	6" aluminum cone woofer, copper rings, long stroke	8	36	.46	19	6	39	80	84	\$86.25
CA18RLY (H1217)	6.5" coated paper cone woofer for sealed boxes	8	43	.40	37	5	26	80	90	\$68.15
CA18RNx (H1215)	7" coated paper cone woofer, raised spider	8	36	.31	33	6	39	80	88.5	\$75.05
ER18RNx (H1456)	7" Reed/Paper pulp cone woofer, raised spider	8	37	.32	32	6	39	80	88.5	\$77.55
L18RNx/P (H1224)	7" aluminum cone woofer, phase plug, raised spider	8	36	.31	30	6	39	100	88	\$86.30
P18RNx/P (H1350)	7" Polypropylene cone woofer, phase plug, raised spider	8	43	.33	25	6	39	80	89	\$77.90
CA22RNx (H1288)	8" coated paper cone woofer, bumped back plate	8	29	.41	97	6	39	80	89.5	\$87.75
L22RN4X/P (H1208)	8" alum. cone woofer, raised spider, bumped, 4 layer	8	21	.27	93	7	39	125	86.5	\$95.70
L22RNx/P (H1252)	8" aluminum cone woofer, raised spider, bumped BP	8	23	.32	112	6	39	110	88	\$91.85
CA26RFX (H1305)	10" coated paper cone, raised spider, bumped back	8	29	.34	129	7	51	100	90.5	\$150.30
CA26RE4X (H1316)	10" coated paper cone, raised spider, 4 layer voice coil	8	25	.28	164	4	39	80	91	\$118.40
L26RFX/P (H1209)	10" Aluminum cone woofer, raised spider, Bumped BB	8	20	.33	171	7	51	125	88	\$165.10
SP18R (H9944)	6.5" passive radiator, threaded bolt for adding weight		26		41	9.5				\$43.15
SP22R (H9945)	8" passive radiator, threaded bolt for adding weight		22		138	10				\$59.90
SP26R (H9946)	10" passive radiator, threaded bolt for adding weight		22		214	12.5				\$87.70
Prestige Line Coaxial Drivers - The tweeter is mounted at the base of the woofer cone (coincidental).										
T18REX/FXC (H1353)	7" coaxial, clear cone, raised spider, coincidental, new adaptive surround	T6 W8	T1.2K W29	W .22	W 47.9	W 3	T26 W39	T90 W90	T88.5 W87	\$152.35
T18RE/XFCTV2 (H1333) (Shielded)	7" coaxial, clear cone, raised spider, coincidental, new adaptive surround and shielded for use near CRT's	T6 W8	T1.2 W26	W .26	W 52	W 3	T26 W39	T90 W80	T88.5 W87	\$158.60
Seas designed crossover for the T18RE Coaxial Speakers, using 16AWG on woofer, Poly Caps on tweeter, Eagle on tweeter										\$36.50

Exotic F8 X1-04

The Exotic F8 is a full range 8-inch driver designed for smooth, wide frequency response, high sensitivity, and low distortion. The special paper cone is embedded with papyrus fibers to optimize stiffness and damping. An optimally matched whizzer cone extends high frequency response beyond 10kHz. A totally new and proprietary spider design dramatically improves the performance of this critical suspension part. The magnet system uses an Alnico V ring magnet for high sensitivity, excellent stability, and low distortion. See more info online.



Nominal Impedance	4	Ohms	Voice coil resistance	3.0	Ohms
Recom. frequency range	30-20000	Hz	Voice coil inductance	0.05	mH
Short term max. power	100	W	Force factor	4.2	N/A
Long term max. power	35	W	Free air resonance	31	Hz
Sensitivity (1W/1m)	96	dB	Moving mass	10.5	g
			Suspension compliance	2.5	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.57	Ns/m
Voice coil height	7.8	mm	Effective piston area	222	sq. cm
Air gap height	12	mm			
Linear coil travel (p-p)	4.2	mm	Vas	146	Liters
Max. coil travel (p-p)	14	mm	Qms	4.24	
Magnet weight	0.8	Kg	Qes	0.43	
Total weight	2.6	Kg	Qts	0.39	

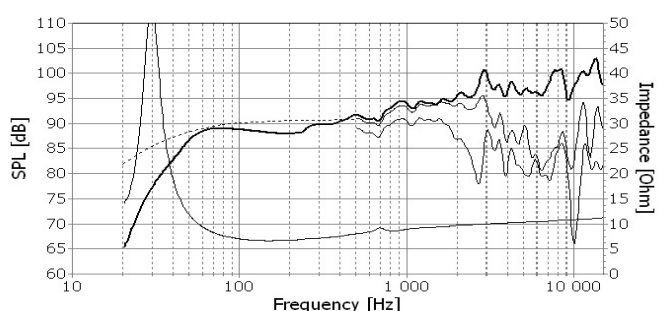


Exotic F8 X1-08

The Exotic F8 is a full range 8-inch driver designed for smooth, wide frequency response, high sensitivity, and low distortion. The special paper cone is embedded with papyrus fibers to optimize stiffness and damping. An optimally matched whizzer cone extends high frequency response beyond 10kHz. A totally new and proprietary spider design dramatically improves the performance of this critical suspension part. The magnet system uses an Alnico V ring magnet for high sensitivity, excellent stability, and low distortion. See more info online.



Nominal Impedance	8	Ohms	Voice coil resistance	5.7	Ohms
Recom. frequency range	30-20000	Hz	Voice coil inductance	0.07	mH
Short term max. power	100	W	Force factor	5.25	N/A
Long term max. power	35	W	Free air resonance	32	Hz
Sensitivity (1W/1m)	93	dB	Moving mass	10	g
			Suspension compliance	2.5	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.57	Ns/m
Voice coil height	7.8	mm	Effective piston area	222	sq. cm
Air gap height	12	mm			
Linear coil travel (p-p)	4.2	mm	Vas	143	Liters
Max. coil travel (p-p)	14	mm	Qms	4.20	
Magnet weight	.8	Kg	Qes	0.50	
Total weight	2.6	Kg	Qts	0.44	

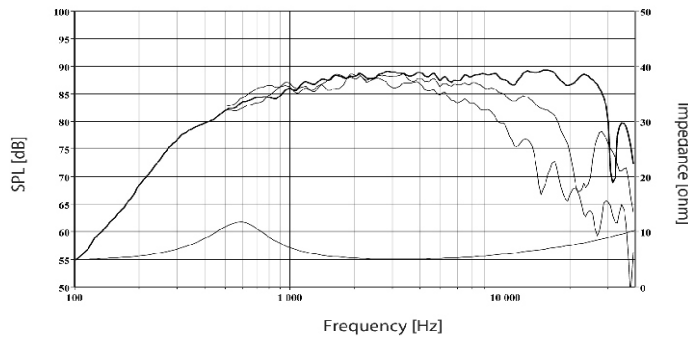


Excel T25CF-002 E0011

The "Millennium" This 25mm dome tweeter features the proprietary SONOTEX fabric dome. You can expect extremely precise, realistic reproduction and excellent acoustic performance and consistency from the T25CF-002. Equipped with flexible lead-out wires, underhung voice coil for low distortion, tinsel leads, gold plated terminals, and Neodymium based HEXADYM magnet system. Low viscosity magnetic fluid is used for cooling and high power handling. Its low free air resonance is below that of most dome tweeters. Unique molded zinc rear chamber eliminates unwanted interior resonances.



Nominal Impedance	6	Ohms	Voice coil resistance	4.6	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.1	N/A
Long term max. power	90	W	Free air resonance	500	Hz
Sensitivity (1W/1m)	89	dB	Moving mass	0.37	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7	sq. cm
Air gap height	2.5	mm			
Linear coil travel (p-p)	1.0	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	.29	Kg	Qes	-	
Total weight	0.36	Kg	Qts	-	

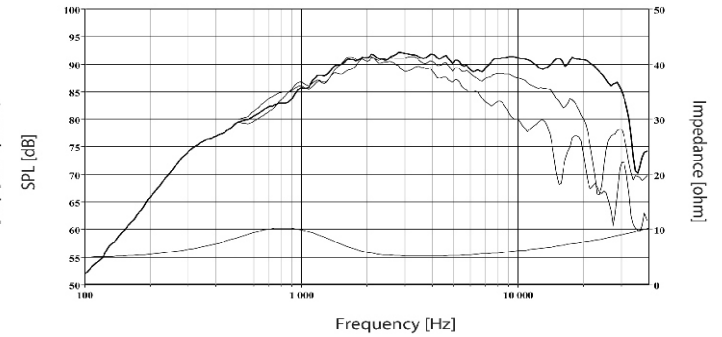


Excel T25C-001 E0006

This 25mm dome tweeter features the proprietary SONOTEX fabric dome. SONOTEX is only manufactured by Seas and is pre-coated 4 times with a damping/sealing material, resulting in excellent acoustic performance and consistency. The T25CF5-001 has a silver wire voice coil, tinsel leads and gold plated terminals. A wide polymer surround is used to give added stability **without magnetic fluid**. The T25CF-001 has a double magnet, one added in reverse for use in A/V systems. The complex shape chamber reduces resonance and interior reflections.



Nominal Impedance	6	Ohms	Voice coil resistance	4.6	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	700	Hz
Sensitivity (1W/1m)	91	dB	Moving mass	0.33	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.34	Kg	Qes	-	
Total weight	0.80	Kg	Qts	-	

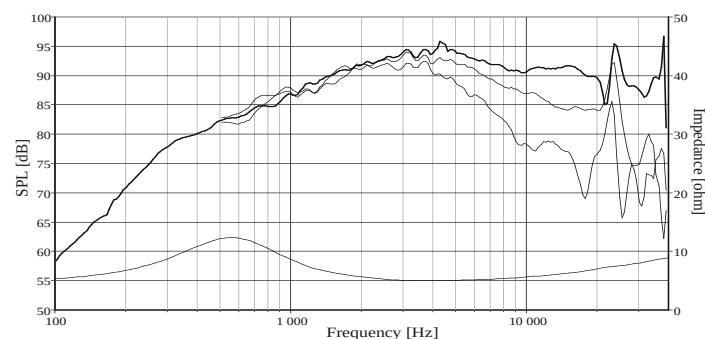


Excel T29AF-001 E0039

The T29AF001 is a High End, High Efficiency 29mm aluminum/magnesium alloy dome tweeter. An optimally shaped dome and a wide SONOMEX surround, both manufactured by SEAS, ensure excellent performance and consistency. A powerful magnet system based on axially magnetized NdFeB ring magnets. A generously underhung voice coil with flexible lead-out wires ensures low distortion. A 6mm precision machined aluminum front plate, Nextel painted. injection molded rear chamber made from zinc eliminates unwanted chamber wall resonances



Nominal Impedance	6	Ohms	Voice coil resistance	4.7	Ohms
Recom. frequency range	2000-22000	Hz	Voice coil inductance	0.05	mH
Short term max. power	220	W	Force factor	3.9	N/A
Long term max. power	100	W	Free air resonance	500	Hz
Sensitivity (1W/1m)	92	dB	Moving mass	0.39	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	8	sq. cm
Air gap height	2.5	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.053	Kg	Qes	-	
Total weight	0.67	Kg	Qts	-	

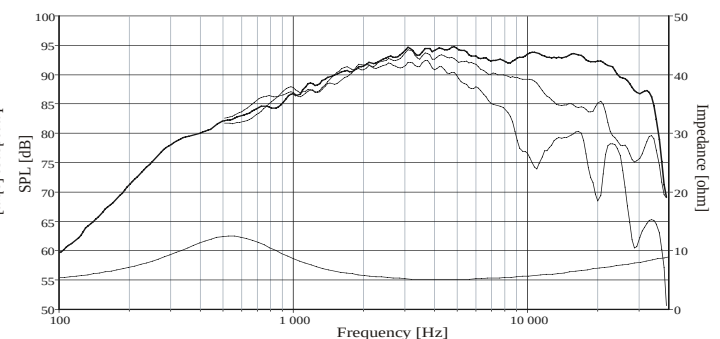


Excel T29CF-001 E0038

The T29CF001 is a High End, High Efficiency 29mm fabric dome tweeter with a wide surround. An optimally shaped dome and a wide SONOMEX surround, both manufactured by SEAS, ensure excellent performance and consistency. A powerful magnet system based on axially magnetized NdFeB ring magnets. A generously underhung voice coil with flexible lead-out wires ensures low distortion. A 6mm precision machined aluminum front plate, Nextel painted. injection molded rear chamber made from zinc eliminates unwanted chamber wall resonances



Nominal Impedance	6	Ohms	Voice coil resistance	4.7	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.9	N/A
Long term max. power	90	W	Free air resonance	550	Hz
Sensitivity (1W/1m)	93	dB	Moving mass	0.35	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	8	sq. cm
Air gap height	2.5	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.053	Kg	Qes	-	
Total weight	0.67	Kg	Qts	-	

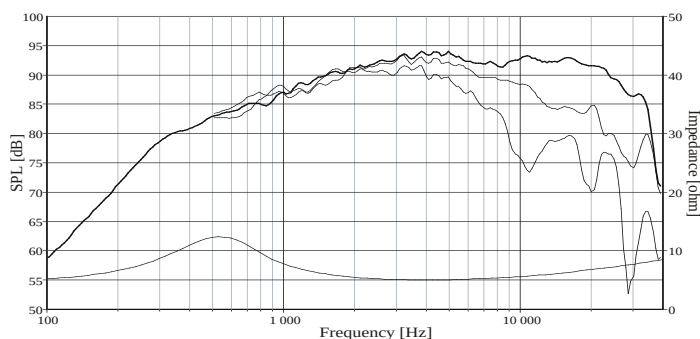


Excel/ T29CF-002 E0040

The T29CF002, "CRESCENDO" is an Ultra High End 29mm soft dome tweeter. An optimally shaped dome with wide Sonomex surround. A high efficiency HEXADYM magnet system, based on 6 radially magnetized NdFeB magnet blocks, provide efficient ventilation and damping of cavities behind the dome, surround and voice coil. Inherently shielded. Generously underhung voice coil with flexible lead out wires. A 6mm precision machined aluminum front plate, Nextel painted. injection molded rear chamber made from zinc eliminates unwanted chamber wall resonances



Nominal Impedance	6	Ohms	Voice coil resistance	4.7	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	500	Hz
Sensitivity (1W/1m)	92.5	dB	Moving mass	0.35	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7	sq. cm
Air gap height	2.5	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.053	Kg	Qes	-	
Total weight	0.66	Kg	Qts	-	

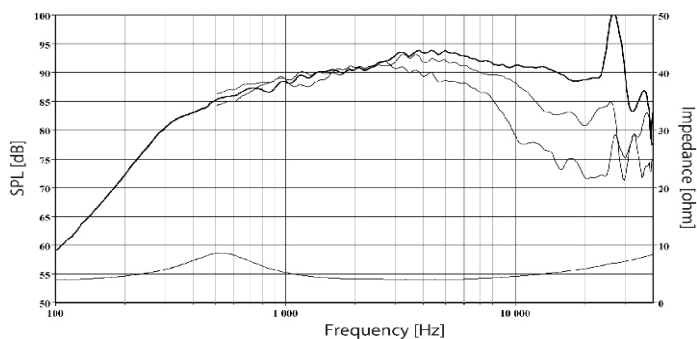


Excel/ T29MF-001 E0047

The T29MF-001 "Magnum" is a new magnesium dome tweeter with a special neodymium magnet system. This is the tweeter of choice for those who seek extremely precise and realistic sound reproduction. This tweeter uses the Seas patented Hexadym neodymium radial magnet system. The magnesium dome moves the breakup beyond the audible frequency range. Other features are; underhung voice coil, large Sonomax surround, low viscosity magnet fluid, 6mm machine aluminum face plate, zinc injection molded rear chamber, inherently shielded.



Nominal Impedance	4	Ohms	Voice coil resistance	2.5	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.03	mH
Short term max. power	200	W	Force factor	3.0	N/A
Long term max. power	90	W	Free air resonance	500	Hz
Sensitivity (1W/1m)	92	dB	Moving mass	0.35	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.1	mm	Effective piston area	8	sq. cm
Air gap height	2.5	mm			
Linear coil travel (p-p)	1.4	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	53	g	Qes	-	
Total weight	0.61	Kg	Qts	-	

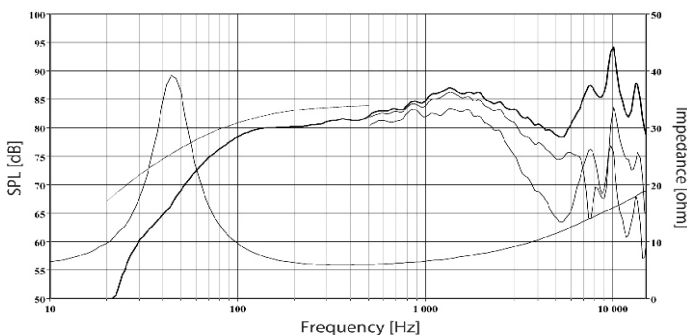


Excel/ W12CY-001 E0021

This 4.5" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A large magnet system is used for improved sensitivity and transient response.



Nominal Impedance	8	Ohms	Voice coil resistance	5.6	Ohms
Recom. frequency range	60-3500	Hz	Voice coil inductance	0.43	mH
Short term max. power	200	W	Force factor	5.4	N/A
Long term max. power	70	W	Free air resonance	45	Hz
Sensitivity (1W/1m)	84	dB	Moving mass	7.5	g
			Suspension compliance	1.7	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.87	Ns/m
Voice coil height	12	mm	Effective piston area	50	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	6	Liters
Max. coil travel (p-p)	9	mm	Qms	2.50	
Magnet weight	0.42	Kg	Qes	0.42	
Total weight	1.21	Kg	Qts	0.36	

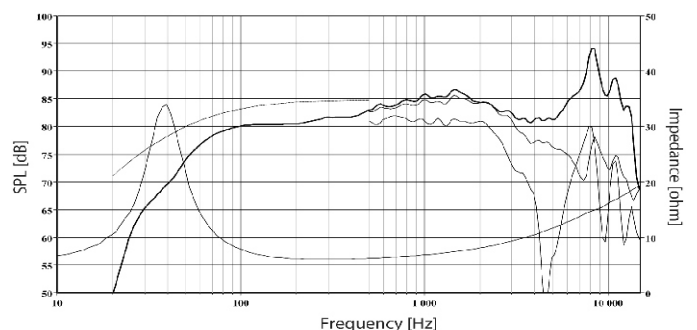


Excel/ W15CH-001 E0037

The W15CH-001 is a 5" cone driver developed for use as a woofer or woofer/midrange. The extremely stiff, yet light magnesium cone delivers tremendous bass precision and midrange detail. This speaker has an acoustically transparent basket and a natural rubber surround. This woofer has the patented Hexadym magnet system, based on 6 radially magnetized Neodymium blocks. Heavy copper rings mounted above and below the T-shaped pole piece reduce non-linear and intermodulation distortion. A solid copper phase plug improves heat conduction.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	50-3000	Hz	Voice coil inductance	0.49	mH
Short term max. power	200	W	Force factor	5.1	N/A
Long term max. power	70	W	Free air resonance	38	Hz
Sensitivity (1W/1m)	85	dB	Moving mass	9.5	g
			Suspension compliance	1.8	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.91	Ns/m
Voice coil height	14	mm	Effective piston area	75	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	8.0	mm	Vas	14	Liters
Max. coil travel (p-p)	14	mm	Qms	2.58	
Magnet weight	0.06	Kg	Qes	0.50	
Total weight	0.80	Kg	Qts	0.42	

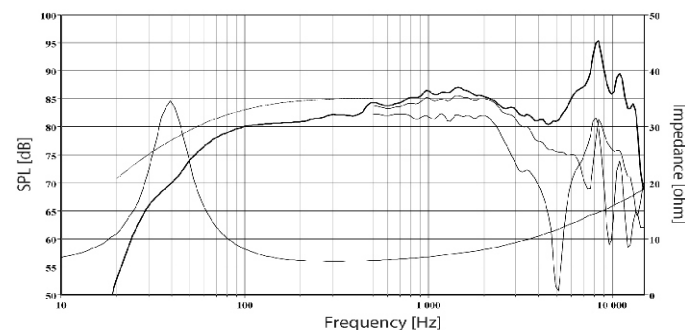


Excel/ W15CY-001 E0015

This 5" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A large magnet system is used for improved sensitivity and transient response.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	
Recom. frequency range	50-3000	Hz	Ohms		
Short term max. power	200	W	Voice coil inductance	0.49	mH
Long term max. power	70	W	Force factor	5.5	N/A
Sensitivity (1W/1m)	85.5	dB	Free air resonance	38	Hz
			Moving mass	9.5	g
Voice Coil Diameter	26	mm	Suspension compliance	1.8	mm/N
Voice coil height	14	mm	Suspension mech. resistance	1.06	Ns/m
Air gap height	6.0	mm	Effective piston area	75	sq. cm
Linear coil travel (p-p)	8.0	mm			
Max. coil travel (p-p)	14	mm			
Magnet weight	0.42	Kg			
Total weight	1.35	Kg			

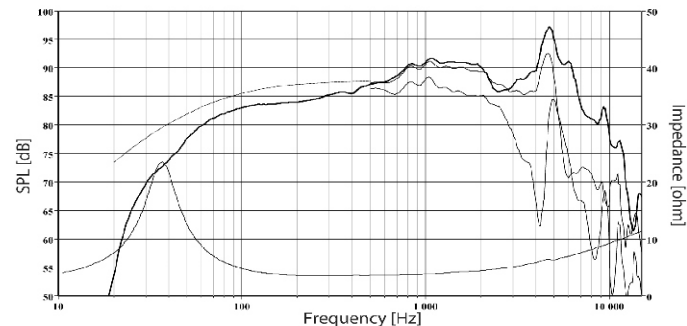


Excel/ W16NX-001 E0049-04

This 6" woofer has a machined and surface treated magnesium cone. The unique radial reinforced rubber surround reduces resonances and prevents surround breakup at large excursions. Heavy copper rings above and below the T-shaped pole pieces reduce non linear and modulation distortion and increase overload margins. A copper phase plug reduces compression due to temperature and eliminated cavity resonance from inside the former. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. Extended bass shelf gives f5 of 40Hz.



Nominal Impedance	4	Ohms	Voice coil resistance	3.0	
Recom. frequency range	45-2500	Hz	Ohms		
Short term max. power	250	W	Voice coil inductance	0.25	mH
Long term max. power	80	W	Force factor	5.3	N/A
Sensitivity (1W/1m)	88	dB	Free air resonance	37	Hz
			Moving mass	14.8	g
Voice Coil Diameter	39	mm	Suspension compliance	1.3	mm/N
Voice coil height	20	mm	Suspension mech. resistance	1.34	Ns/m
Air gap height	6.0	mm	Effective piston area	94	sq. cm
Linear coil travel (p-p)	14.0	mm			
Max. coil travel (p-p)	22	mm			
Magnet weight	0.64	Kg			
Total weight	2.15	Kg			

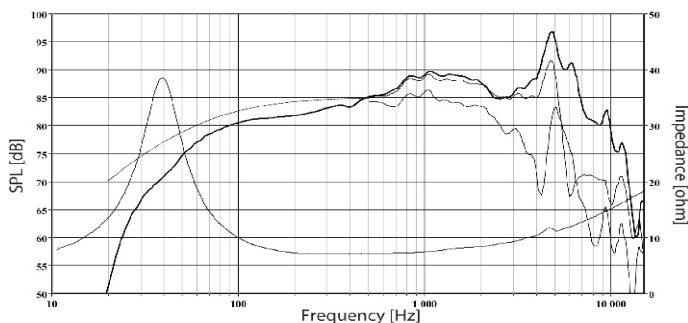


Excel/ W16NX-001 E0049-08

This 6" woofer has a machined and surface treated magnesium cone. The unique radial reinforced rubber surround reduces resonances and prevents surround breakup at large excursions. Heavy copper rings above and below the T-shaped pole pieces reduce non linear and modulation distortion and increase overload margins. A copper phase plug reduces compression due to temperature and eliminated cavity resonance from inside the former. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. Extended bass shelf gives f5 of 40Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	6.2	Ohms
Recom. frequency range	45-2500	Hz	Voice coil inductance	0.41	mH
Short term max. power	250	W	Force factor	7.3	N/A
Long term max. power	80	W	Free air resonance	39	Hz
Sensitivity (1W/1m)	85	dB	Moving mass	13.9	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.64	Ns/m
Voice coil height	20	mm	Effective piston area	94	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	14.0	mm	Vas	14	Liters
Max. coil travel (p-p)	22	mm	Qms	2.16	
Magnet weight	0.64	Kg	Qes	0.41	
Total weight	2.15	Kg	Qts	0.35	

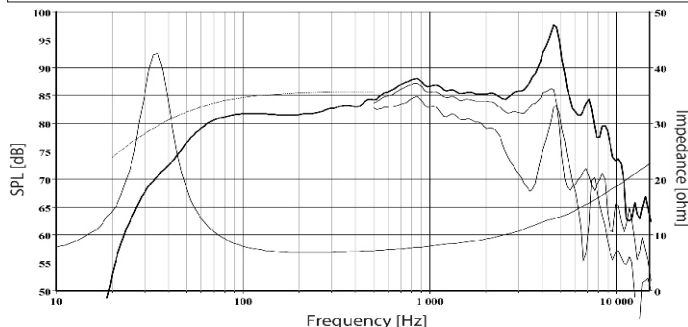


Excel/ W18E-001 E0018

This 7" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A large magnet system is used for improved sensitivity and transient response.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	40-2500	Hz	Voice coil inductance	0.65	mH
Short term max. power	250	W	Force factor	6.6	N/A
Long term max. power	100	W	Free air resonance	34	Hz
Sensitivity (1W/1m)	86	dB	Moving mass	15.5	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.2	Ns/m
Voice coil height	16	mm	Effective piston area	126	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	30	Liters
Max. coil travel (p-p)	19	mm	Qms	2.91	
Magnet weight	0.42	Kg	Qes	0.49	
Total weight	1.75	Kg	Qts	0.42	

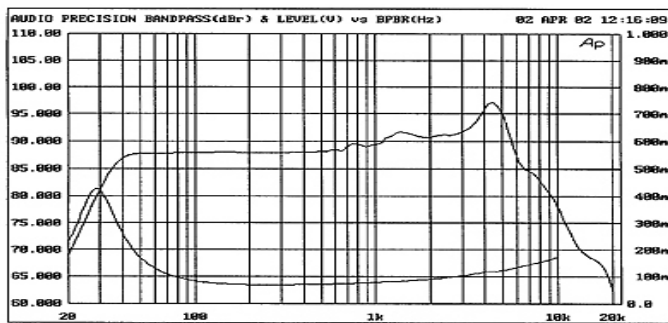


Excel/ W18E-001/TV E0027

This **shielded magnet** 7" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. This speaker has been optimized for use in home theater systems or used near CRT's.



Nominal Impedance	8	Ohms	Voice coil resistance	5.9	Ohms
Recom. frequency range	40-2500	Hz	Voice coil inductance	0.4	mH
Short term max. power	250	W	Force factor	7.2	N/A
Long term max. power	100	W	Free air resonance	29	Hz
Sensitivity (1W/1m)	86.5	dB	Moving mass	14.4	g
			Suspension compliance	2.1	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.4	Ns/m
Voice coil height	16	mm	Effective piston area	126	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	47	Liters
Max. coil travel (p-p)	19	mm	Qms	2.27	
Magnet weight	0.42	Kg	Qes	0.33	
Total weight	1.75	Kg	Qts	0.29	

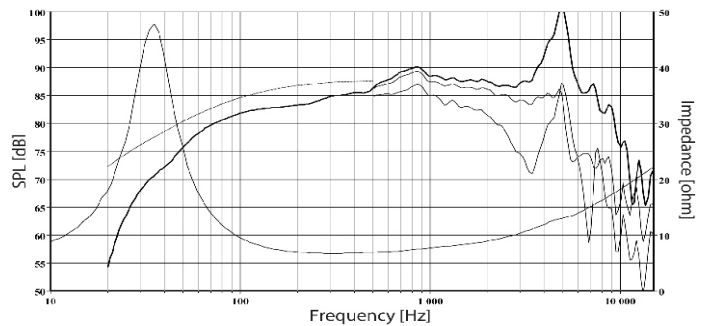


Excel/ W18EX-001 E0017

This 7" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A larger magnet system is used for improved sensitivity, transient response and lower Qts.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	40-2500	Hz	Voice coil inductance	0.65	mH
Short term max. power	250	W	Force factor	8.4	N/A
Long term max. power	100	W	Free air resonance	34	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	15.5	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.94	Ns/m
Voice coil height	16	mm	Effective piston area	126	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	30	Liters
Max. coil travel (p-p)	19	mm	Qms	1.8	
Magnet weight	0.64	Kg	Qes	0.30	
Total weight	2.15	Kg	Qts	0.26	

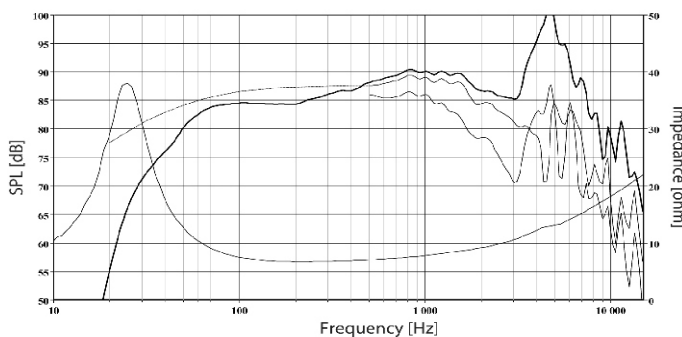


Excel/ W22EX-001 E0022

This 8" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A larger magnet system is used for improved sensitivity, transient response and lower Qts.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	30-2000	Hz	Voice coil inductance	0.61	mH
Short term max. power	300	W	Force factor	8.1	N/A
Long term max. power	120	W	Free air resonance	25	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	26.2	g
			Suspension compliance	1.5	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	2.06	Ns/m
Voice coil height	16	mm	Effective piston area	220	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	98	Liters
Max. coil travel (p-p)	21	mm	Qms	2.14	
Magnet weight	0.64	Kg	Qes	0.41	
Total weight	2.2	Kg	Qts	0.34	

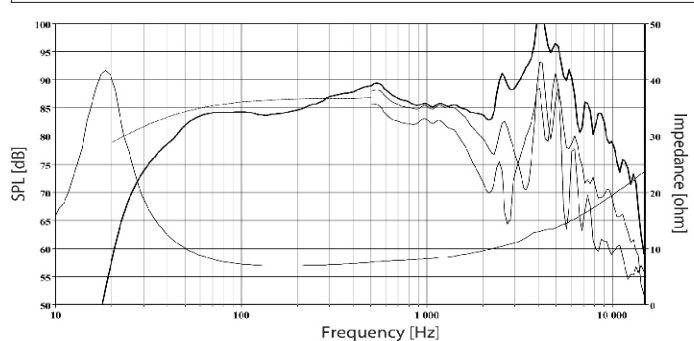


Excel/ W26FX-001 E0026

This 10" woofer features a light, yet stiff aluminum alloy cone for stiffness in providing bass precision. Heavy copper rings mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion and increase overload margin. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. Power handling is improved by using a high temperature 2" voice coil and by the solid copper phase plug conducting heat away from the voice coil. Optimized for ported enclosures.



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	20-1000	Hz	Voice coil inductance	1.43	mH
Short term max. power	400	W	Force factor	10.7	N/A
Long term max. power	150	W	Free air resonance	20	Hz
Sensitivity (1W/1m)	87	dB	Moving mass	56.3	g
			Suspension compliance	1.1	mm/N
Voice Coil Diameter	51	mm	Suspension mech. resistance	3.21	Ns/m
Voice coil height	20	mm	Effective piston area	330	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	14.0	mm	Vas	162	Liters
Max. coil travel (p-p)	35	mm	Qms	2.34	
Magnet weight	3.0	Kg	Qes	0.41	
Total weight	4.2	Kg	Qts	0.35	

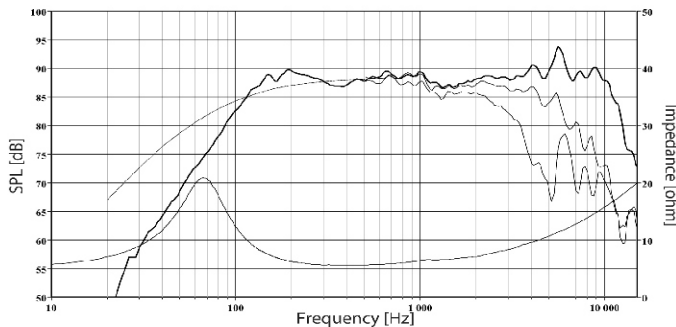


Excel/ M15CH-002 E0043

The M15CH-002 is a 5" Nextel coated paper cone midrange, capable of the most neutral and transparent sound reproduction. The low distortion and low mechanical noise generated by this driver set a new standard for midrange units. The Hexadym magnet system is designed to keep cavity resonances and sound reflection to a minimum. Copper rings are employed to reduce non-linear and modulation distortion. A solid copper phase plug enhances the performance of the rings and conducts heat away from the voice coil. The cast frame with large windows is designed for quiet operation and air flow.



Nominal Impedance	6	Ohms	Voice coil resistance	4.9	Ohms
Recom. frequency range	60-3500	Hz	Voice coil inductance	0.43	mH
Short term max. power	200	W	Force factor	5.3	N/A
Long term max. power	70	W	Free air resonance	67	Hz
Sensitivity (1W/1m)	88.5	dB	Moving mass	6.75	g
			Suspension compliance	0.8	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.77	Ns/m
Voice coil height	12	mm	Effective piston area	75	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	6	mm	Vas	6.0	Liters
Max. coil travel (p-p)	14	mm	Qms	1.70	
Magnet weight (Neodymium)	0.06	Kg	Qes	0.52	
Total weight	0.8	Kg	Qts	0.40	

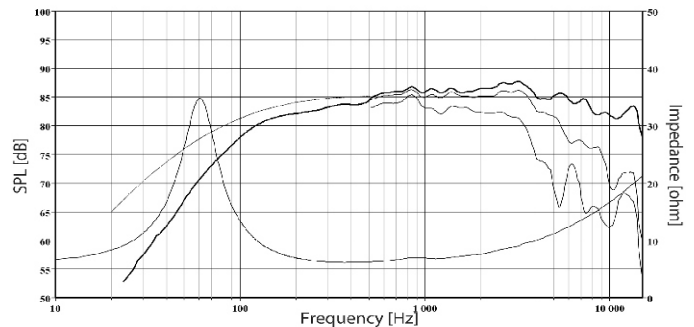


Excel/ W12CY-003 E0044

The W12CY-003 is a 4.5" paper cone with a unique Nextel coating, for smooth response and low distortion. The new Adaptive Surround provides greater damping in the upper frequencies and less damping for bass frequencies. A large magnet and copper clad aluminum voice coil provide good excursion, low distortion and good transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. Large windows in the cast basket, above and below the voice coil reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	60-3500	Hz	Voice coil inductance	0.41	mH
Short term max. power	200	W	Force factor	5.5	N/A
Long term max. power	70	W	Free air resonance	60	Hz
Sensitivity (1W/1m)	85.5	dB	Moving mass	6.1	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.03	Ns/m
Voice coil height	12	mm	Effective piston area	50	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	6	mm	Vas	4.0	Liters
Max. coil travel (p-p)	9	mm	Qms	2.30	
Magnet weight	0.42	Kg	Qes	0.44	
Total weight	1.3	Kg	Qts	0.36	

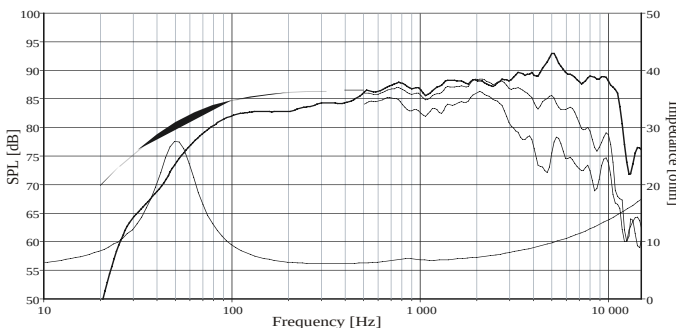


Excel/ W15LY-001 E0041

The W15LY-001 is a paper cone with a unique Nextel coating, for smooth response and low distortion. The new Adaptive Surround provides greater damping in the upper frequencies and less damping for bass frequencies. A large magnet and copper clad aluminum voice coil provide good excursion, low distortion and good transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. Large windows in the cast basket, above and below the voice coil reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8	Ohms	Voice coil resistance	5.7	Ohms
Recom. frequency range	50-4000	Hz	Voice coil inductance	0.3	mH
Short term max. power	250	W	Force factor	4.6	N/A
Long term max. power	60	W	Free air resonance	49	Hz
Sensitivity (1W/1m)	86.5	dB	Moving mass	6.28	g
			Suspension compliance	1.7	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.93	Ns/m
Voice coil height	16	mm	Effective piston area	75	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	10	mm	Vas	24	Liters
Max. coil travel (p-p)	20	mm	Qms	2.08	
Magnet weight	0.42	Kg	Qes	0.41	
Total weight	1.29	Kg	Qts	0.34	

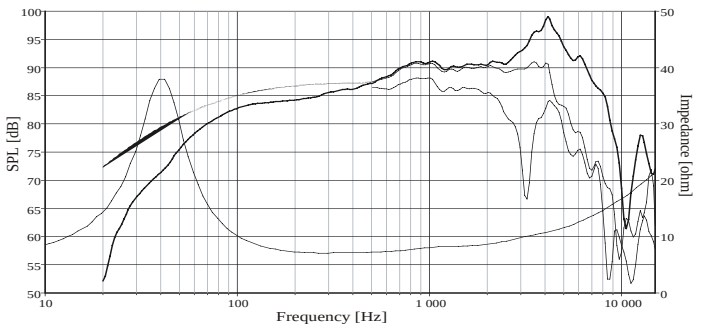


Excel/ W18NX-001 E0042

The W18NX-001 is a paper cone with a unique Nextel coating, for smooth response and low distortion. The new Adaptive Surround provides greater damping in the upper frequencies and less damping for bass frequencies. A large magnet and copper clad aluminum voice coil provide good excursion, low distortion and good transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. Large windows in the cast basket, above and below the voice coil reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	30-3000	Hz	Voice coil inductance	0.43	mH
Short term max. power	250	W	Force factor	7.0	N/A
Long term max. power	80	W	Free air resonance	40	Hz
Sensitivity (1W/1m)	87.5	dB	Moving mass	13.7	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.77	Ns/m
Voice coil height	20	mm	Effective piston area	126	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	14	mm	Vas	24	Liters
Max. coil travel (p-p)	22	mm	Qms	2.08	
Magnet weight	0.64	Kg	Qes	0.41	
Total weight	2.15	Kg	Qts	0.34	

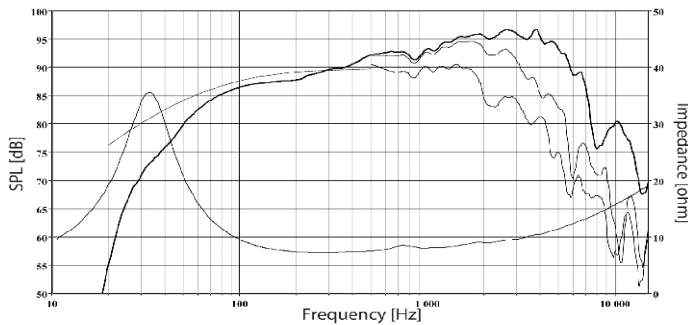


Exce/ W22NY-001 E0045

The W22NY-001 is a paper cone with a unique Nextel coating to provide stiffness and reduce distortion. A large magnet with a bumped back plate, together with a CCAW voice coil, allow for good excursion with low distortion and excellent transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. A chrome plated brass phase plug reduces temperature variations in the voice coil and reduces cavity resonances. Large windows in the cast basket, reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	30-3000	Hz	Voice coil inductance	0.61	mH
Short term max. power	250	W	Force factor	8.8	N/A
Long term max. power	90	W	Free air resonance	33	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	20.0	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	2.60	Ns/m
Voice coil height	20	mm	Effective piston area	220	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	14	mm	Vas	72	Liters
Max. coil travel (p-p)	21	mm	Qms	1.73	
Magnet weight	3.00	Kg	Qes	0.36	
Total weight	3.6	Kg	Qts	0.30	

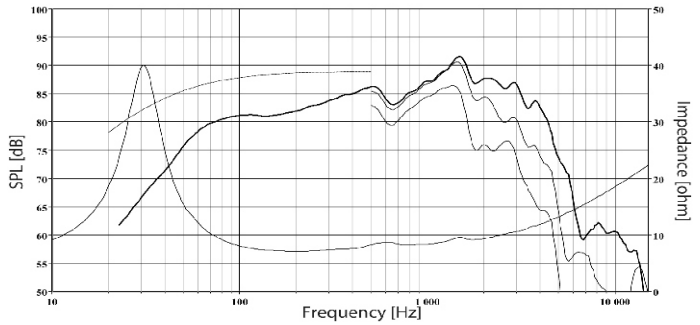


Exce/ W26FX-002 E0046

The W26FX-002 is a paper cone with a unique Nextel coating to provide stiffness and reduce distortion. A 2" diameter high temperature with black anodized coil former is incorporated for high power handling and reduced power compression. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. A chrome plated brass phase plug reduces temperature variations in the voice coil and reduces cavity resonances. Large windows in the cast basket, reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8	Ohms	Voice coil resistance	6.2	Ohms
Recom. frequency range	30-1000	Hz	Voice coil inductance	0.81	mH
Short term max. power	300	W	Force factor	10.9	N/A
Long term max. power	100	W	Free air resonance	31	Hz
Sensitivity (1W/1m)	89.0	dB	Moving mass	42.4	g
			Suspension compliance	0.6	mm/N
Voice Coil Diameter	51	mm	Suspension mech. resistance	3.52	Ns/m
Voice coil height	20	mm	Effective piston area	330	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	14	mm	Vas	87	Liters
Max. coil travel (p-p)	35	mm	Qms	2.55	
Magnet weight	3.00	Kg	Qes	0.47	
Total weight	4.5	Kg	Qts	0.39	

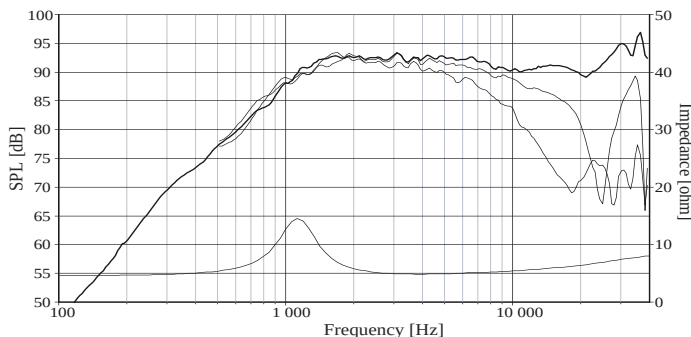


Seas 22TAF/G H1283

The 22TAF/G is a High Definition metal dome tweeter with wide, coated fabric surround. The relatively small voice coil diameter and the wide surround combine the high frequency behavior of a 3/4" dome with the low frequency characteristics of a 1" dome. A large ferrite magnet gives high efficiency. The dome is precision formed from an aluminum/magnesium alloy for low mass and high rigidity and stability. The pre-coated surround material gives high consistency and excellent stability. The VC is ferrofluid cooled. An acoustically open Hexagrid protects the dome diaphragm.



Nominal Impedance	6	Ohms	Voice coil resistance	4.9	Ohms
Recom. frequency range	2500-30000	Hz	Voice coil inductance	0.05	mH
Short term max. power	180	W	Force factor	3.3	N/A
Long term max. power	80	W	Free air resonance	1100	Hz
Sensitivity (1W/1m)	92	dB	Moving mass	0.23	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	19.5	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	5.9	sq. cm
Air gap height	2	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

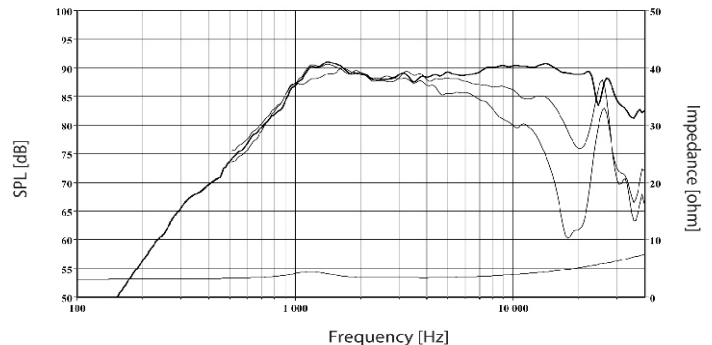


Seas 27TAFNC/G H1397

Compact design neodymium magnet tweeter for high quality small cabinet speakers or autosound applications. Critically designed aluminum/magnesium alloy dome with good dispersion above 10kHz. A wide roll surround together with double chamber magnet system results in a low fundamental frequency. The magnet system is inherently shielded, allowing use in A/V systems. The diffuser is designed to compensate for a slight roll off towards 20kHz and also to reduce resonance above 20kHz. The voice coil is immersed in magnetic fluid. Pressure fit installation.



Nominal Impedance	4	Ohms	Voice coil resistance	2.7	Ohms
Recom. frequency range	2500-30000	Hz	Voice coil inductance	0.03	mH
Short term max. power	200	W	Force factor	1.9	N/A
Long term max. power	90	W	Free air resonance	1170	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	0.30	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.1	mm	Effective piston area	7.5	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.9	mm	Power ratings with 12dB filter at 2500Hz		
Max. coil travel (p-p)	-	mm	The aluminum dome has slightly better power handling than the textile dome, because the aluminum helps conduct heat away from the VC.		
Magnet weight	0.01	Kg			
Total weight	0.1	Kg			

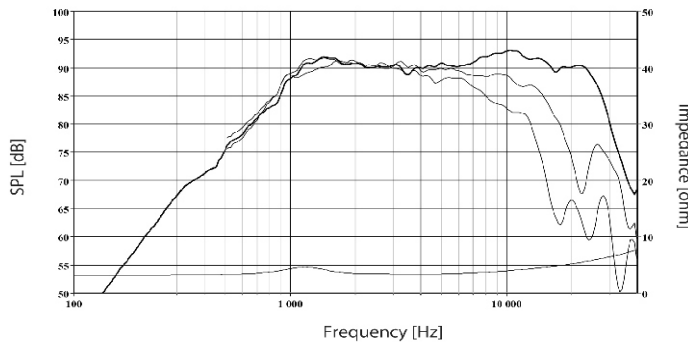


Seas 27TFNC/G H1396

Compact design neodymium magnet tweeter for high quality small cabinet speakers or autosound applications. The diaphragm is vacuum formed from a precoated fabric for greater consistency. The coating has been carefully selected to result in a smooth frequency response and a high degree of stability against changes in temperature and humidity. A wide roll surround together with double chamber magnet system results in a low fundamental frequency. The magnet system is inherently shielded, allowing use in A/V systems. The voice coil is immersed in magnetic fluid. Pressure fit installation.



Nominal Impedance	4 Ohms	Voice coil resistance	2.7 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.03 mH
Short term max. power	200 W	Force factor	1.9 N/A
Long term max. power	80 W	Free air resonance	1170 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.26 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.1 mm	Effective piston area	7.5 sq. cm
Air gap height	2.0 mm	Power ratings with 12dB filter @ 2500Hz	
Linear coil travel (p-p)	0.9 mm		
Max. coil travel (p-p)	- mm		
Magnet weight	0.01 Kg		
Total weight	0.1 Kg		

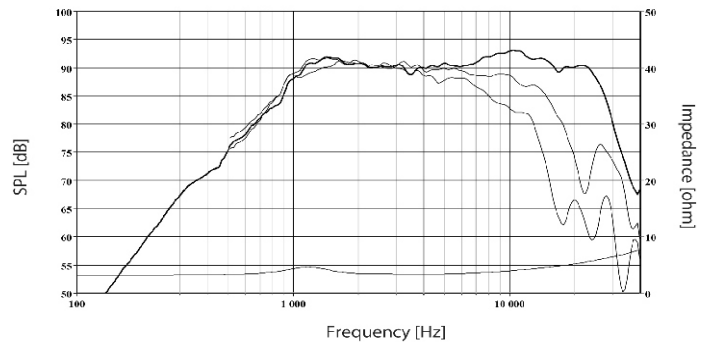


Seas 27TFNC/CG H1406

Compact design neodymium magnet tweeter for high quality small cabinet speakers or autosound applications. The diaphragm is vacuum formed from a precoated fabric for greater consistency. The coating has been carefully selected to result in a smooth frequency response and a high degree of stability against changes in temperature and humidity. A wide roll surround together with double chamber magnet system results in a low fundamental frequency. The magnet system is inherently shielded, allowing use in A/V systems. The voice coil is immersed in magnetic fluid. Truncated face plate.



Nominal Impedance	4 Ohms	Voice coil resistance	2.7 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.03 mH
Short term max. power	200 W	Force factor	1.9 N/A
Long term max. power	80 W	Free air resonance	1170 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.26 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.1 mm	Effective piston area	7.5 sq. cm
Air gap height	2.0 mm	Power ratings with 12dB filter @ 2500Hz	
Linear coil travel (p-p)	0.9 mm		
Max. coil travel (p-p)	- mm		
Magnet weight	0.01 Kg		
Total weight	0.1 Kg		

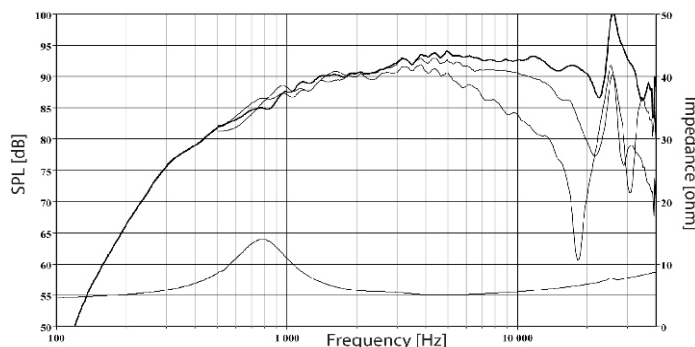


Seas 27TFNC/GW H1461

This is a 27mm titanium dome tweeter with a soft polymer surround. The dome and surround material give high consistency and excellent stability against variations in air humidity. The titanium dome is protected by a hexagrid grill with acoustic lense. The voice coil is wound on a perforated aluminum former and immersed in magnet fluid for increased power handling. A powerful high grade neodymium ring magnet is coupled with an extruded aluminum heat sink for better heat transfer and increased power handling.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	2500-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	230 W	Force factor	3.9 N/A
Long term max. power	100 W	Free air resonance	750 Hz
Sensitivity (1W/1m)	91.5 dB	Moving mass	0.32 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.0 sq. cm
Air gap height	2.0 mm	Vas	- Liters
Linear coil travel (p-p)	0.5 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	53 g	Qts	-
Total weight	0.29 Kg		

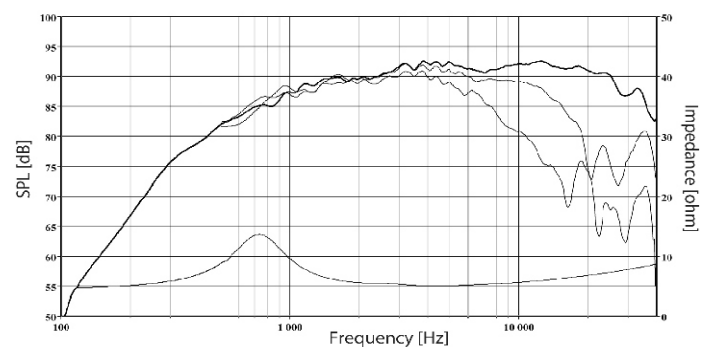


Seas 27DFNC/GW H1462

This is a 27mm textile dome tweeter with a soft polymer surround. The dome and surround material give high consistency and excellent stability against variations in air humidity. The textile dome is protected by a hexagrid grill. The voice coil is wound on a perforated aluminum former and immersed in magnet fluid for increased power handling. A powerful high grade neodymium ring magnet is coupled with an extruded aluminum heat sink for better heat transfer and increased power handling.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	3.9 N/A
Long term max. power	90 W	Free air resonance	750 Hz
Sensitivity (1W/1m)	90.5 dB	Moving mass	0.31 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.0 sq. cm
Air gap height	2.0 mm	Vas	- Liters
Linear coil travel (p-p)	0.5 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	53 g	Qts	-
Total weight	0.29 Kg		

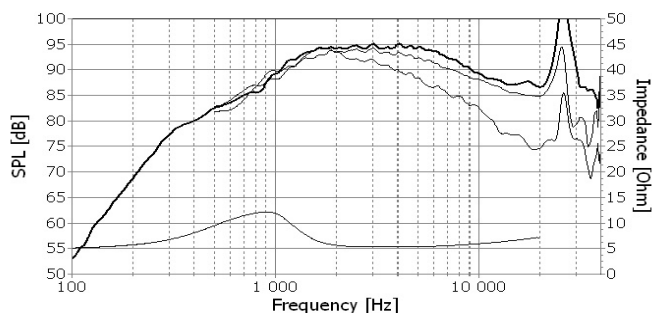


Seas 27TBCD/GB-DXT H1499

27TBCD/GB-DXT is a High Definition aluminum/magnesium alloy dome tweeter with DXT® lens. A fine mesh grid protects the diaphragm. Stiff and stable rear chamber with optimal acoustic damping allows the tweeter to be used with moderately low crossover frequencies. This revolutionary DXT® tweeter addresses the major issues regarding directivity control in traditional loudspeaker designs. DXT® solves several well-know issues regarding; directivity control, off-axis response, integration with midrange units and baffle diffraction.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	150	W	Force factor	3.7	N/A
Long term max. power	55	W	Free air resonance	900	Hz
Sensitivity (1W/1m)	92	dB	Moving mass	0.33	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.5	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Power ratings with 12dB filter @ 2500Hz		
Max. coil travel (p-p)	-	mm			
Magnet weight	0.35	Kg			
Total weight	0.64	Kg			

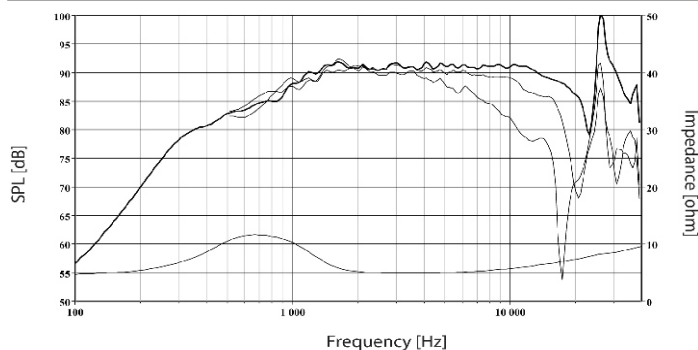


Seas 27TBC/G H1147

The H1147 is an aluminum / magnesium alloy dome tweeter with a wide soft polymer surround, designed to give stability without using ferro fluid. The dome is protected by a hexagrid grill, which also supports an acoustic lens which tailors the high frequency roll off. The voice coil is wound on a perforated aluminum former in order to reduce air flow noise. A stiff and stable rear chamber allows for a lower resonance frequency and lower crossover point. The face plate is made from glass fiber reinforced plastic.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	150	W	Force factor	3.5	N/A
Long term max. power	55	W	Free air resonance	600	Hz
Sensitivity (1W/1m)	92	dB	Moving mass	0.33	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.52	Kg	Qts	-	

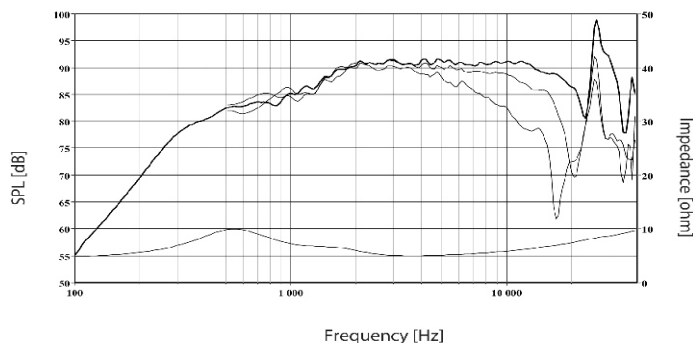


Seas 27TBFC/G H1212

The H1212 is an aluminum / magnesium alloy dome tweeter. The special wide and soft polymer surround, initially designed to give stability without using ferro fluid, adding ferro fluid has also produced a desirable result. The dome is protected by a hexagrid metal grill, which also supports an acoustic lens to control the roll off frequencies. The voice coil is wound on a perforated aluminum former to help reduce air flow noise. The flange is made from glass fiber reinforced plastic.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	1500-20000	Hz	Voice coil inductance	0.05	mH
Short term max. power	220	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	550	Hz
Sensitivity (1W/1m)	91.5	dB	Moving mass	0.34	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.5	Kg	Qts	-	

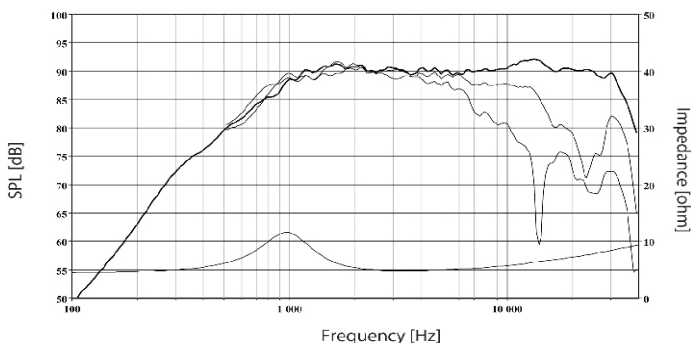


Seas 27TDF H1211

The 27TDF is a low viscosity ferrofluid cooled tweeter with a High Definition pre-coated fabric dome and special wide soft polymer surround. The dome and surround materials give excellent stability against variations in air humidity. The voice coil is wound on an aluminum former with adequate ventilating holes to eliminate air flow noise. The chassis is precision molded glass reinforced plastic and offers optimum radiation.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2500-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	900	Hz
Sensitivity (1W/1m)	91	dB	Moving mass	0.37	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.5	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

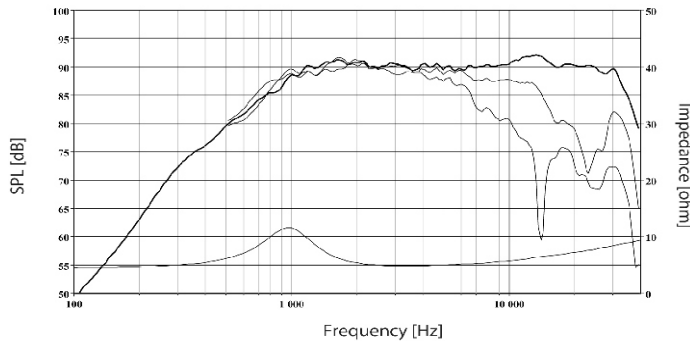


Seas 27TDC H1149

The 27TDC is a non-ferrofluid tweeter with a High Definition pre-coated fabric dome and soft polymer surround. This tweeter has been especially designed to operate without ferrofluid. The dome and surround materials give excellent stability against variations in air humidity. The voice coil is wound on an aluminum former with adequate ventilating holes to eliminate air flow noise. A stiff and stable rear chamber with optimal acoustic damping allows the 27TDC to be used with moderately low crossover frequencies. The chassis is precision molded glass reinforced plastic and offers optimum radiation.

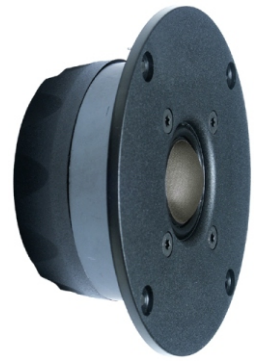


Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	150	W	Force factor	3.5	N/A
Long term max. power	55	W	Free air resonance	550	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	0.30	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

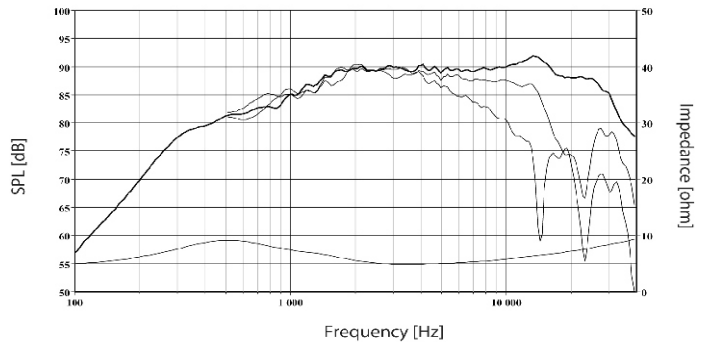


Seas 27DFC H1189

The 27DFC is a low viscosity ferrofluid cooled tweeter with a High Definition pre-coated fabric dome and wide soft polymer surround. The dome and surround materials give excellent stability against variations in air humidity. The voice coil is wound on an aluminum former with adequate ventilating holes to eliminate air flow noise. A stiff and stable rear chamber with optimal acoustic damping allows the 27DFC to be used with moderately low crossover frequencies. The chassis is precision molded glass reinforced plastic and offers optimum radiation.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	1500-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	220	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	550	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	0.37	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.5	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

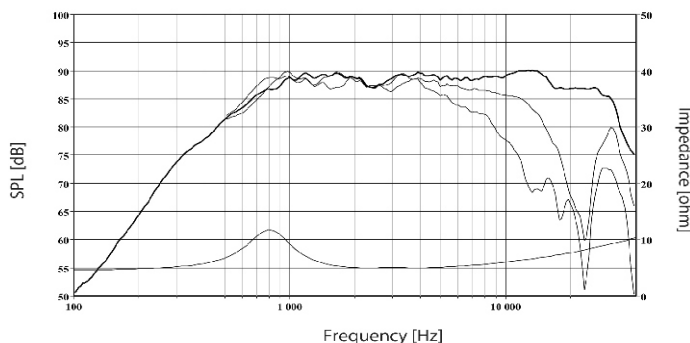


Seas 27DFC/TV H1210

The 27DFC/TV is a low viscosity ferro fluid cooled tweeter with a High Definition pre-coated fabric dome and soft polymer surround. The dome and surround materials give excellent stability against variations in air humidity. The voice coil is wound on an aluminum former with ventilating holes to eliminate air flow noise. The shielded magnet system allows the tweeter to be used in proximity to video display screens or TV sets. The chassis is precision molded glass reinforced plastic and offers optimum radiation.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	220	W	Force factor	2.8	N/A
Long term max. power	90	W	Free air resonance	800	Hz
Sensitivity (1W/1m)	89.5	dB	Moving mass	0.37	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.5	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.4	Kg	Qes	-	
Total weight	0.5	Kg	Qts	-	

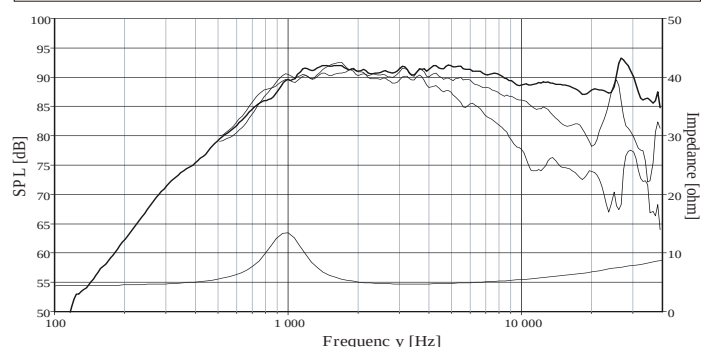


Seas 29TAF/W H1322

The 29TAF/W aluminum/magnesium alloy dome tweeter with wide, pre-coated fabric surround. The dome and surround are made in house for excellent consistency. The voice coil is wound on an aluminum former with adequate venting holes to eliminate noise from internal air flow. Low viscosity magnetic fluid and flexible lead-out wires ensure high power handling. Two part front plate with smooth, slightly elliptical wave guide made from elastomer provide excellent high frequency response and dispersion. The wave guide conceals the magnet system screws.



Nominal Impedance	6	Ohms	Voice coil resistance	4.7	Ohms
Recom. frequency range	2200-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	220	W	Force factor	3.5	N/A
Long term max. power	100	W	Free air resonance	950	Hz
Sensitivity (1W/1m)	91.5	dB	Moving mass	0.39	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	8	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.53	Kg	Qts	-	

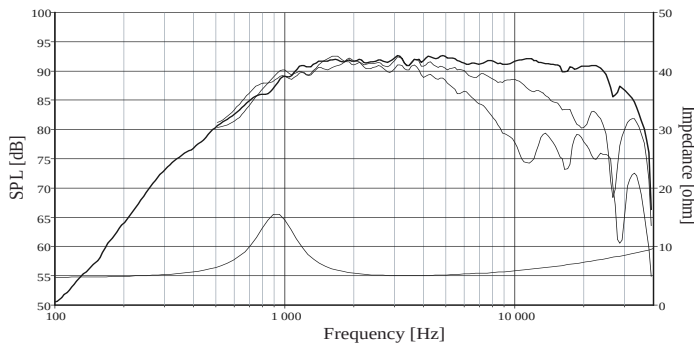


Seas 29TFF/W H1318

The 29TFF/W is a High Definition fabric dome tweeter with integrated wide surround. The diaphragm is made in house from pre-coated fabric for consistency. The voice coil is wound on an aluminum former with adequate venting holes to eliminate noise from internal air flow. Low viscosity magnetic fluid and flexible lead-out wires ensure high power handling. Two part front plate with smooth, slightly elliptical wave guide made from elastomer provide excellent high frequency response and dispersion. The wave guide conceals the magnet system screws.



Nominal Impedance	6	Ohms	Voice coil resistance	4.7	Ohms
Recom. frequency range	2200-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	950	Hz
Sensitivity (1W/1m)	92	dB	Moving mass	0.35	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	8	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.53	Kg	Qts	-	



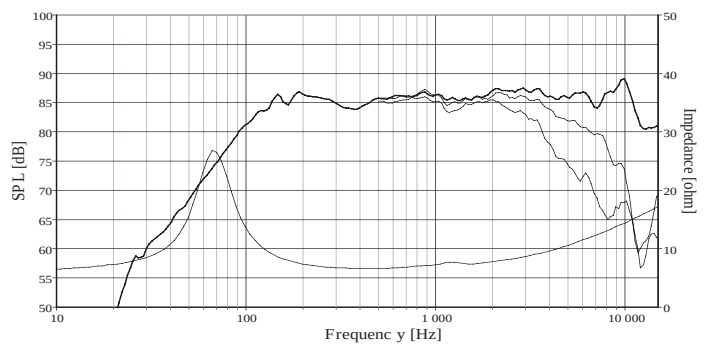
Seas MCA12RC H1304

The MCA12RC is a 4.5" coated paper cone midrange with a mechanically matching natural rubber surround. The result is an unusually smooth midrange response. The stiff injection molded basket has large windows and a raised spider to reduce sound reflection and air flow noise. A 1" high temperature voice coil wound on an aluminum former ensured high power handling capacity.

The frequency response extends to 10,000 Hz, indicating this driver is not overly damped and will have good upper midrange response.



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	400-5000	Hz	Voice coil inductance	0.31	mH
Short term max. power	400	W	Force factor	4.2	N/A
Long term max. power	110	W	Free air resonance	68	Hz
Sensitivity (1W/1m)	86	dB	Moving mass	5.58	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.85	Ns/m
Voice coil height	5.8	mm	Effective piston area	55	sq. cm
Air gap height	4.0	mm			
Linear coil travel (p-p)	1.8	mm	Vas	5	Liters
Max. coil travel (p-p)	-	mm	Qms	2.42	
Magnet weight	0.25	Kg	Qes	0.74	
Total weight	0.66	Kg	Qts	0.56	



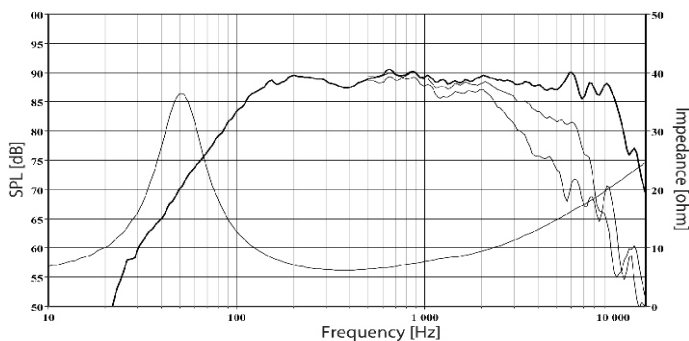
Seas MCA15RCY H1262

The MCA15RCY is a 5" coated paper cone midrange. The classical paper cone gives a smooth and extended frequency response with a controlled roll off. The large magnet and light cone provide high sensitivity, low distortion and good transient response. The stiff injection molded basket has large windows and a raised spider to reduce sound reflection and air flow noise.

The frequency response extends to 10,000 Hz, indicating this driver is not overly damped and will have good upper midrange response.



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	100-4000	Hz	Voice coil inductance	0.73	mH
Short term max. power	300	W	Force factor	6.8	N/A
Long term max. power	100	W	Free air resonance	51	Hz
Sensitivity (1W/1m)	89.5	dB	Moving mass	7.1	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.53	Ns/m
Voice coil height	9.4	mm	Effective piston area	80	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	3.4	mm	Vas	12	Liters
Max. coil travel (p-p)	14	mm	Qms	1.57	
Magnet weight	0.42	Kg	Qes	0.30	
Total weight	1.3	Kg	Qts	0.25	

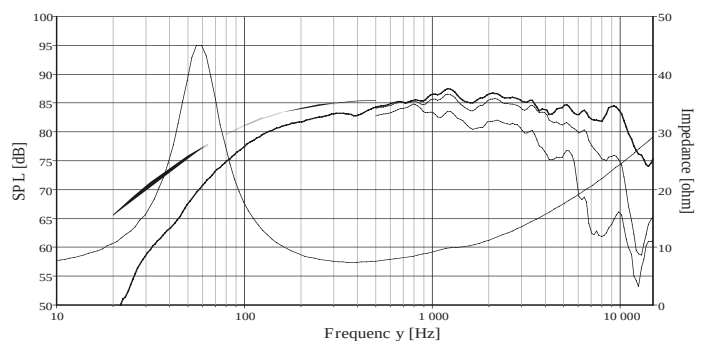


Seas CA12RCY H1152

Natural rubber surround and hand coated paper cone with coated fabric dust cap, reduce resonances and distortion. A large magnet system and a symmetrical driving force accomplished through a special coil winding technique for the voice coil give excellent linearity. A very large magnet system provides a reasonable efficiency and a low Q. Extremely stiff and stable injection molded metal basket keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflection, air flow noise and cavity resonance to a minimum.



Nominal Impedance	8	Ohms	Voice coil resistance	6.4	Ohms
Recom. frequency range	45-5000	Hz	Voice coil inductance	1.05	mH
Short term max. power	200	W	Force factor	6.35	N/A
Long term max. power	60	W	Free air resonance	57	Hz
Sensitivity (1W/1m)	86	dB	Moving mass	6.1	g
			Suspension compliance	1.3	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.04	Ns/m
Voice coil height	12	mm	Effective piston area	55	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	5	Liters
Max. coil travel (p-p)	9.0	mm	Qms	2.17	
Magnet weight	0.42	Kg	Qes	0.36	
Total weight	1.21	Kg	Qts	0.31	

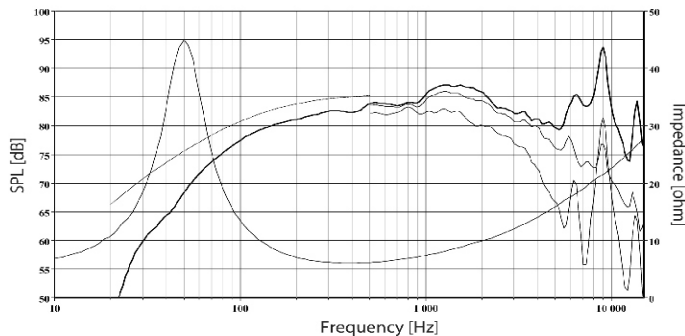


Seas L12RCY/P H1207

The L12RCY/P is a 4.5" mini woofer with an aluminum cone, light yet stiff. The aluminum cone, coupled with the low loss rubber surround, show no sign of cone edge resonance and distortion associated with soft cones. On the other hand, cone breakup at higher frequencies call for special attention in the crossover design work. A bullet shaped phase plug reduces compression due to temperature variations in the voice coil, avoids resonance problems which would occur in the volume between the dust cap and pole piece and increases long term power handling. Raised spider VC ventilation.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	55-3500	Hz	Voice coil inductance	0.76	mH
Short term max. power	200	W	Force factor	6.1	N/A
Long term max. power	70	W	Free air resonance	50	Hz
Sensitivity (1W/1m)	85.5	dB	Moving mass	6.8	g
			Suspension compliance	1.5	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.94	Ns/m
Voice coil height	12	mm	Effective piston area	50	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	5	Liters
Max. coil travel (p-p)	9.0	mm	Qms	2.34	
Magnet weight	0.42	Kg	Qes	0.33	
Total weight	1.21	Kg	Qts	0.29	

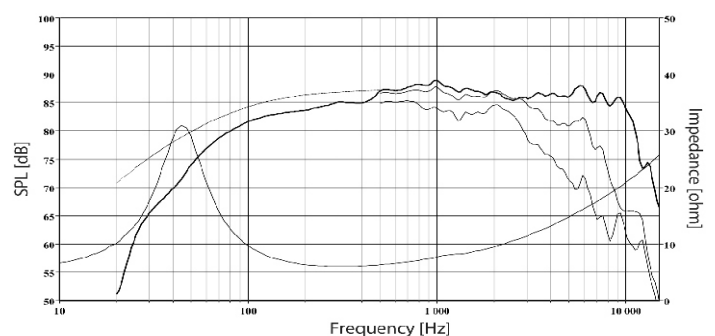


Seas CA15RLY H1216

This 5.5" woofer was developed for use as a long throw high fidelity woofer or woofer/midrange. The CA15RLY is a coated paper cone with extended frequency range and controlled roll off. The large magnet system, together with a very long and light CCAW voice coil allow good excursion with low distortion and good transient response. The basket is a stable injection molded metal, with large windows both above and below the spider, to reduce sound reflection, air flow noise and cavity resonance. An 8 liter box can give you an F3 of 54Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	50-4000	Hz	Voice coil inductance	0.76	mH
Short term max. power	250	W	Force factor	5.4	N/A
Long term max. power	60	W	Free air resonance	47	Hz
Sensitivity (1W/1m)	87	dB	Moving mass	8.2	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.5	Ns/m
Voice coil height	16	mm	Effective piston area	80	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	12.0	Liters
Max. coil travel (p-p)	20	mm	Qms	1.70	
Magnet weight	0.42	Kg	Qes	0.48	
Total weight	1.29	Kg	Qts	0.37	

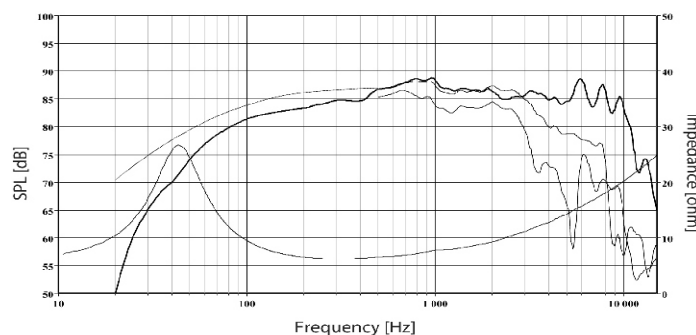


Seas ER15RLY H1455

The 5" ER15RLY features a new edge coated Reed/Paper pulp cone. The careful selection of cone, surround and spider has produced a driver with an smooth extended frequency response. The Large magnet system, together with a very long and light weight copper clad aluminum voice coil allow good excursion with low distortion and good transient response. A 0.3 cubic foot box with a 1.5" diameter vent by 5" long will give you a 3dB down point of 58Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.6	Ohms
Recom. frequency range	50-4000	Hz	Voice coil inductance	0.73	mH
Short term max. power	250	W	Force factor	5.5	N/A
Long term max. power	60	W	Free air resonance	44	Hz
Sensitivity (1W/1m)	87.5	dB	Moving mass	7.6	g
			Suspension compliance	1.7	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.43	Ns/m
Voice coil height	16	mm	Effective piston area	80	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10	mm	Vas	15.0	Liters
Max. coil travel (p-p)	20	mm	Qms	1.55	
Magnet weight	0.42	Kg	Qes	0.41	
Total weight	1.29	Kg	Qts	0.32	

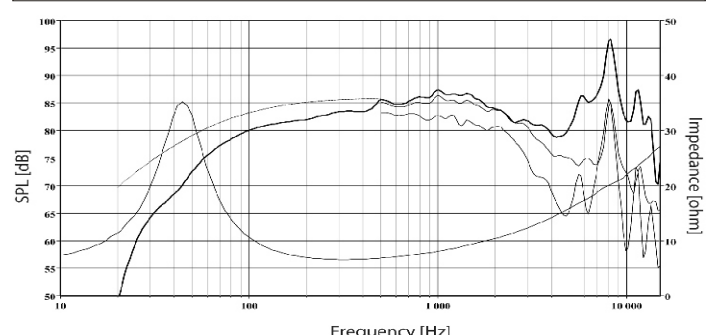


Seas L15RLY/P H1141

This 5.5" woofer features a light, yet stiff **aluminum cone**, with a low loss rubber surround and magnesium cast frame. This driver shows no sign of the familiar 500-1500Hz cone edge resonance and distortion associated with soft cones. On the other hand, cone breakup at higher frequencies require special crossover attention. The phase plug gives low compression due to temperature variations in the voice coil, high power handling capacity and eliminates resonance which would otherwise occur in the volume between the dust cap and the pole piece. Raised Spider.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	45-3000	Hz	Voice coil inductance	0.84	mH
Short term max. power	200	W	Force factor	5.7	N/A
Long term max. power	80	W	Free air resonance	44	Hz
Sensitivity (1W/1m)	86	dB	Moving mass	8.1	g
			Suspension compliance	1.6	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.12	Ns/m
Voice coil height	16	mm	Effective piston area	75	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	12	Liters
Max. coil travel (p-p)	20	mm	Qms	2.10	
Magnet weight	0.42	Kg	Qes	0.43	
Total weight	1.28	Kg	Qts	0.35	

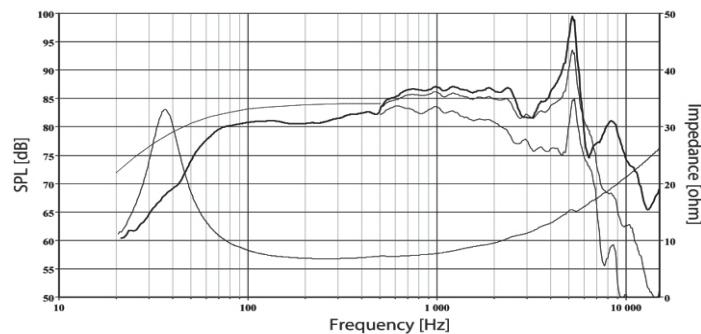


Seas L16RN-SL H1480

L16RN is a 5" High Fidelity woofer with an injection molded metal chassis, intended for bass reflex and transmission line designs. Stiff, yet light aluminum cone and low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion associated with soft cones. A bumped back plate in the magnet system, together with the very long and light weight copper clad aluminum voice coil, allow extreme coil excursion with low distortion. A heavy copper ring below the T-shaped pole piece reduces non linear and modulation distortion.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	45-2000	Hz	Voice coil inductance	0.68	mH
Short term max. power	250	W	Force factor	6.2	N/A
Long term max. power	80	W	Free air resonance	36	Hz
Sensitivity (1W/1m)	84	dB	Moving mass	14.8	g
			Suspension compliance	1.3	mm/N
Voice Coil Diameter	38	mm	Suspension mech. resistance	1.41	Ns/m
Voice coil height	18	mm	Effective piston area	104	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	19	Liters
Max. coil travel (p-p)	22	mm	Qms	2.47	
Magnet weight	0.42	Kg	Qes	0.56	
Total weight	1.40	Kg	Qts	0.46	

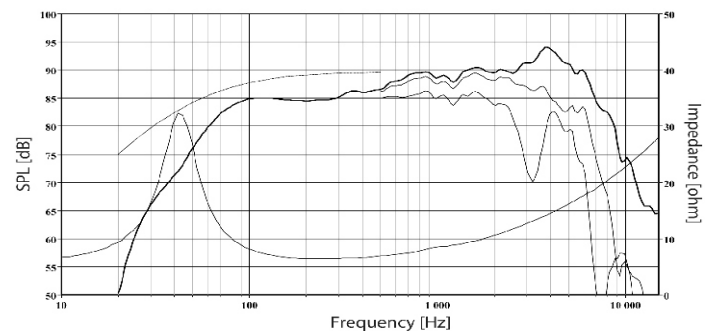


Seas CA18RLY H1217

The CA18RLY is a classical coated paper cone woofer, but with a new high tech basket. The injection molded basket features large windows and a raised spider to reduce sound reflection, air flow noise and cavity resonance. The high temperature and light weight voice coil is wound on an aluminum former. This speaker has a natural rubber surround. The higher Qts of this driver makes it suitable for a sealed box of about 1/2 to 3/4 of a cubic foot and a resulting 3dB down point of 65Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	35-2500	Hz	Voice coil inductance	1.03	mH
Short term max. power	250	W	Force factor	5.6	N/A
Long term max. power	80	W	Free air resonance	43	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	8.8	g
			Suspension compliance	1.6	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.2	Ns/m
Voice coil height	16	mm	Effective piston area	136	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	10	mm	Vas	37	Liters
Max. coil travel (p-p)	20	mm	Qms	2.19	
Magnet weight	0.42	Kg	Qes	0.48	
Total weight	1.41	Kg	Qts	0.40	

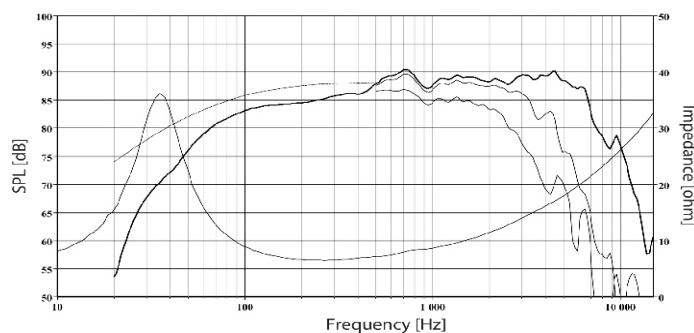


Seas CA18RN X H1215

This 7" driver was designed for use as a long throw hi-fi woofer or bass/midrange unit. The classical coated paper cone gives a smooth extended frequency response with a controlled roll off. The large magnet system provides good transient response. The bumped back plate, together with the very long and light weight copper clad aluminum voice coil allow for extreme coil excursion with low distortion. The stiff injection molded cast frame has large windows both above and below the spider, to reduce sound reflection, air noise and cavity resonance. An Fs of 45 Hz can be achieved in an 18 ltr



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	45-3000	Hz	Voice coil inductance	1.2	mH
Short term max. power	250	W	Force factor	7.2	N/A
Long term max. power	80	W	Free air resonance	35	Hz
Sensitivity (1W/1m)	88.5	dB	Moving mass	14	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.72	Ns/m
Voice coil height	18	mm	Effective piston area	136	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12	mm	Vas	33	Liters
Max. coil travel (p-p)	22	mm	Qms	1.90	
Magnet weight	0.64	Kg	Qes	0.37	
Total weight	1.91	Kg	Qts	0.31	

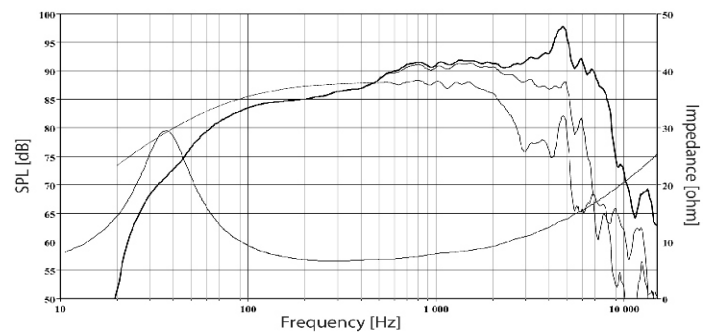


Seas ER18RN X H1456

The 7" ER18RN X features a new edge coated Reed/Paper pulp cone. The careful selection of cone, surround and spider has produced a driver with a smooth extended frequency response. The large magnet system with bumped back plate, together with a very long and light weight copper clad aluminum voice coil allow good excursion with low distortion and good transient response. A copper shorting ring in the magnet system reduces non linear on modulation distortion. A 0.65 cubic foot box with a 25" diameter vent by 6" long will give you a 3dB down point of 52Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.9	Ohms
Recom. frequency range	45-3000	Hz	Voice coil inductance	0.67	mH
Short term max. power	250	W	Force factor	7.2	N/A
Long term max. power	80	W	Free air resonance	37	Hz
Sensitivity (1W/1m)	88.5	dB	Moving mass	14	g
			Suspension compliance	1.3	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	2.2	Ns/m
Voice coil height	18	mm	Effective piston area	136	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	12	mm	Vas	32	Liters
Max. coil travel (p-p)	22	mm	Qms	1.58	
Magnet weight	0.64	Kg	Qes	0.39	
Total weight	1.91	Kg	Qts	0.32	

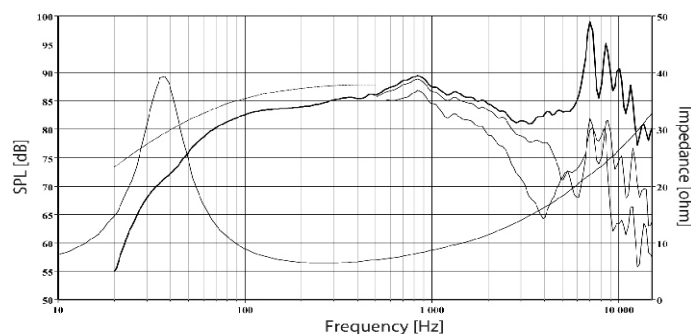


Seas L18RNXP H1224

7" aluminum cone woofer. The stiff cone coupled with the low loss rubber surround shows no sign of cone edge resonance and distortion associated with soft cones. Tremendous bass precision. A bullet shaped phase plug reduces compression due to temperature variations in the voice coil, avoids resonance problems which would occur in the volume between the dust cap and pole piece and increases long term power handling. Large magnet for good efficiency. Raised Spider and bumped back plate for increased power handling and lower mechanical distortion.



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	40-2500	Hz	Voice coil inductance	1.06	mH
Short term max. power	250	W	Force factor	7.2	N/A
Long term max. Power	100	W	Free air resonance	36	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	13.6	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.56	Ns/m
Voice coil height	18.0	mm	Effective piston area	126	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	30	Liters
Max. coil travel (p-p)	22.0	mm	Qms	2.09	
Magnet weight	0.64	Kg	Qes	0.36	
Total weight	1.92	Kg	Qts	0.31	

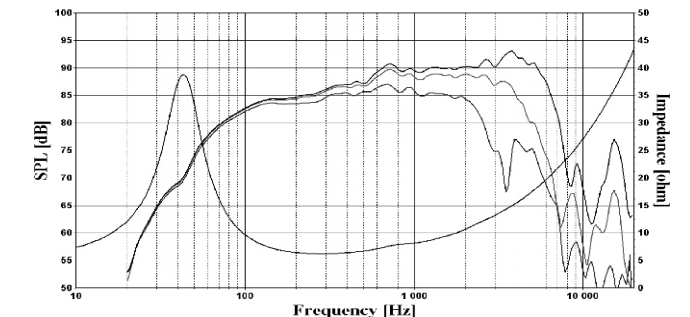


Seas P18RNXP H1350

7" Polypropylene cone woofer, coupled with a high loss rubber surround. Tremendous bass precision. A bullet shaped phase plug reduces compression due to temperature variations in the voice coil, avoids resonance problems which would occur in the volume between the dust cap and pole piece and increases long term power handling. Large magnet for good efficiency. Raised Spider and bumped back plate for increased power handling and lower mechanical distortion. This driver is an excellent choice for use in a satellite speaker or stand alone bookshelf speaker.



Nominal Impedance	8	Ohms	Voice coil resistance	5.7	Ohms
Recom. frequency range	45-3000	Hz	Voice coil inductance	1.0	mH
Short term max. power	250	W	Force factor	7.0	N/A
Long term max. Power	80	W	Free air resonance	43	Hz
Sensitivity (1W/1m)	89	dB	Moving mass	12.2	g
			Suspension compliance	1.12	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.46	Ns/m
Voice coil height	18.0	mm	Effective piston area	126	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	24.9	Liters
Max. coil travel (p-p)	22.0	mm	Qms	2.26	
Magnet weight	0.64	Kg	Qes	0.39	
Total weight	1.92	Kg	Qts	0.33	

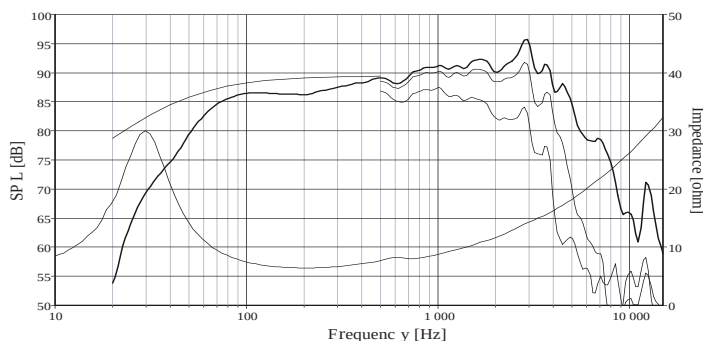


Seas CA22RNXP H1288

A hand coated paper cone and matching natural rubber surround produce a well behaved roll off characteristic and reduce potential resonance problems. A long voice coil wound on an aluminum former gives low distortion and high power handling. The large magnet system provides high efficiency and good transient response. A bumped backplate in the magnet system allow maximum utilization of the long voice coil without mechanical limitation. Large windows in the basket both above and below the spider reduce sound reflections, air flow noise and cavity resonance.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	30-3000	Hz	Voice coil inductance	1.0	mH
Short term max. power	250	W	Force factor	7.0	N/A
Long term max. power	80	W	Free air resonance	29	Hz
Sensitivity (1W/1m)	89.5	dB	Moving mass	20.9	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	2.05	Ns/m
Voice coil height	18	mm	Effective piston area	230	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	12	mm	Vas	97	Liters
Max. coil travel (p-p)	26	mm	Qms	2.04	
Magnet weight	0.64	Kg	Qes	0.52	
Total weight	2.2	Kg	Qts	0.41	

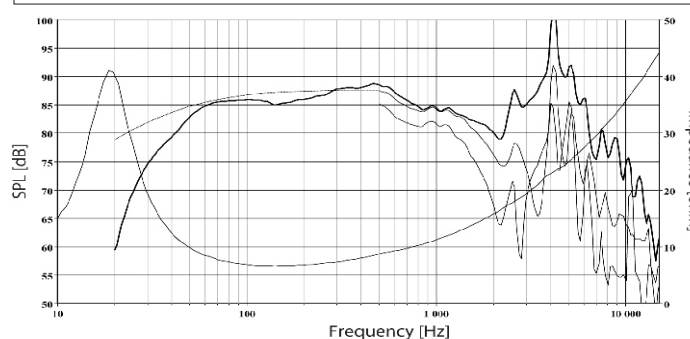


Seas L22RN4XP H1208

The L22RN4XP is an 8" aluminum cone woofer, very light and stiff. The stiff cone provides tremendous bass precision. The aluminum cone and low loss rubber surround show no sign of the familiar 500-1500Hz cone edge resonance. The high temperature voice coil on aluminum former provide excellent power handling. The phase plug reduces compression due to temperature variations in the voice coil, and eliminates resonances that can occur in the gap between the dust cap and pole piece. The resonance at higher frequencies require some special crossover work. **4 Layer Voice Coil**



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	20-1000	Hz	Voice coil inductance	3.76	mH
Short term max. power	300	W	Force factor	10.7	N/A
Long term max. power	125	W	Free air resonance	21	Hz
Sensitivity (1W/1m)	86.5	dB	Moving mass	40	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.76	Ns/m
Voice coil height	20	mm	Effective piston area	220	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	14.0	mm	Vas	93	Liters
Max. coil travel (p-p)	21.0	mm	Qms	3.13	
Magnet weight	0.64	Kg	Qes	0.29	
Total weight	2.2	Kg	Qts	0.27	

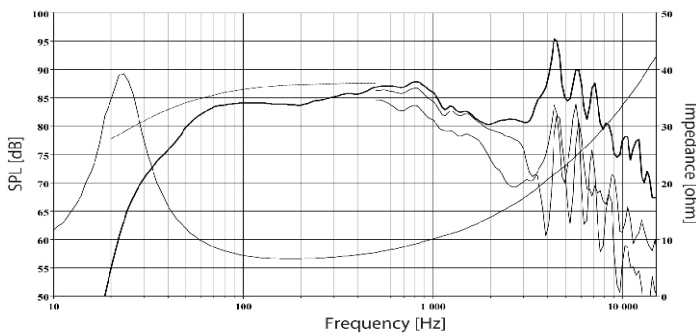


Seas L22RNX/P H1252

The L22RNX/P is an 8" aluminum cone woofer, very light and stiff. The stiff cone provides tremendous bass precision. The aluminum cone and low loss rubber surround show no sign of the familiar 500-1500Hz cone edge resonance. The high temperature voice coil on aluminum former provide excellent power handling. The phase plug reduces compression due to temperature variations in the voice coil, and eliminates resonances that can occur in the gap between the dust cap and pole piece. The resonance at higher frequencies require some special crossover work. **2 Layer Voice Coil**



Nominal Impedance	8	Ohms	Voice coil resistance	6.0	Ohms
Recom. frequency range	25-1000	Hz	Voice coil inductance	1.43	mH
Short term max. power	300	W	Force factor	8.15	N/A
Long term max. power	110	W	Free air resonance	23	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	27	g
			Suspension compliance	1.8	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	2.01	Ns/m
Voice coil height	18	mm	Effective piston area	220	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	112	Liters
Max. coil travel (p-p)	21.0	mm	Qms	2.07	
Magnet weight	0.64	Kg	Qes	0.38	
Total weight	2.2	Kg	Qts	0.32	

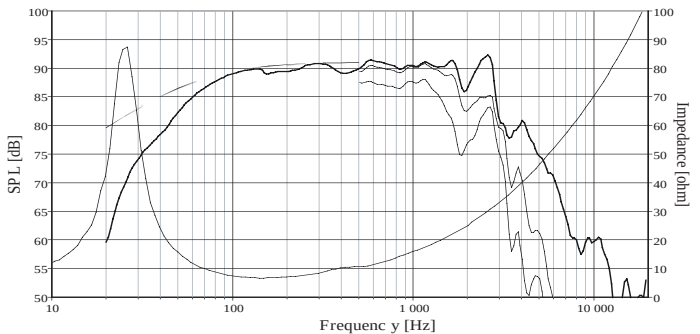


Seas CA26RE4X H1316

A classical manually coated paper cone and matching natural rubber surround produce a smooth response and reduce potential resonance problems. A **four layer voice coil** provides a well behaved roll off characteristic. A large magnet system gives good sensitivity and transient response. Extremely stiff and stable injection molded metal basket keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflection, and keep air flow noise and cavity resonance to a minimum. **39mm voice coil Ø, 4mm x-max**



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	30-1500	Hz	Voice coil inductance	3.08	mH
Short term max. power	300	W	Force factor	11.6	N/A
Long term max. power	80	W	Free air resonance	25	Hz
Sensitivity (1W/1m)	91	dB	Moving mass	38.5	g
			Suspension compliance	1.1	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.66	Ns/m
Voice coil height	14	mm	Effective piston area	350	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	8	mm	Vas	164	Liters
Max. coil travel (p-p)	20	mm	Qms	3.99	
Magnet weight	0.64	Kg	Qes	0.30	
Total weight	2.17	Kg	Qts	0.28	

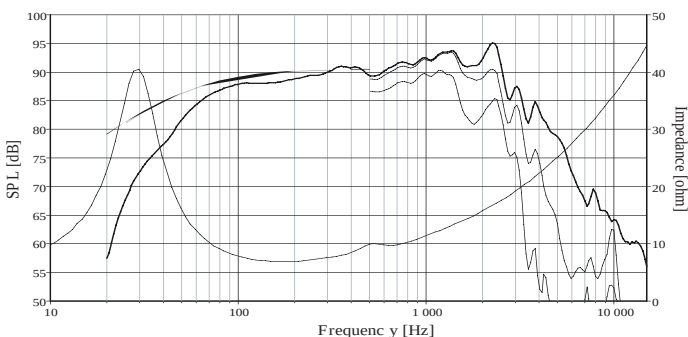


Seas CA26RFX H1305

A classical hand coated paper cone and matching natural rubber surround produce a well behaved roll off characteristic and reduce potential resonance problems. A 2" high temperature voice coil with black anodized aluminum coil former gives high power handling and reduced power compression. A large magnet system gives good sensitivity and transient response. A bumped backplate in the magnet system allow maximum excursion. Large windows in the basket both above and below the spider reduce reflection, air flow noise and cavity resonance. **51mm VC Ø, 7mm x-max**



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	30-1000	Hz	Voice coil inductance	1.95	mH
Short term max. power	300	W	Force factor	10.7	N/A
Long term max. power	100	W	Free air resonance	29	Hz
Sensitivity (1W/1m)	90.5	dB	Moving mass	36.1	g
			Suspension compliance	0.8	mm/N
Voice Coil Diameter	51	mm	Suspension mech. resistance	3.4	Ns/m
Voice coil height	20	mm	Effective piston area	350	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	14	mm	Vas	129	Liters
Max. coil travel (p-p)	35	mm	Qms	2.14	
Magnet weight	3.0	Kg	Qes	0.40	
Total weight	4.5	Kg	Qts	0.34	

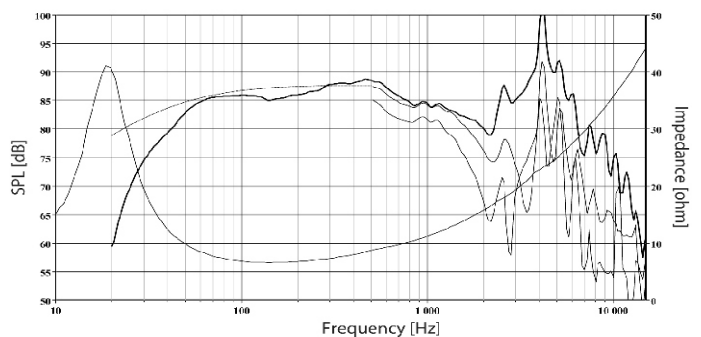


Seas L26RFX/P H1209

This 10" woofer features a light, yet stiff aluminum cone for stiffness in providing bass precision. Large windows both above and below the spider in the injection molded metal basket help reduce air flow noise, sound reflections and cavity resonance. The low loss rubber surround shows no sign of the familiar edge resonance. Cone breakup at higher frequencies need to be addressed in the crossover design. A 2" diameter high temperature voice coil with black anodized aluminum former gives high power handling and reduce compression. The phase plug helps eliminate resonances.



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	20-1000	Hz	Voice coil inductance	1.83	mH
Short term max. power	300	W	Force factor	10.7	N/A
Long term max. power	125	W	Free air resonance	20	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	53	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	51	mm	Suspension mech. resistance	3.3	Ns/m
Voice coil height	20	mm	Effective piston area	330	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	14.0	mm	Vas	171	Liters
Max. coil travel (p-p)	35	mm	Qms	2.15	
Magnet weight	3.0	Kg	Qes	0.39	
Total weight	4.05	Kg	Qts	0.33	



Seas SP18R H9944

This 6.5" passive radiator is intended for use as an alternative to the vented port in a bass reflex cabinet. In many applications a traditional port may produce air noise which is often improved by use of a passive radiator instead.

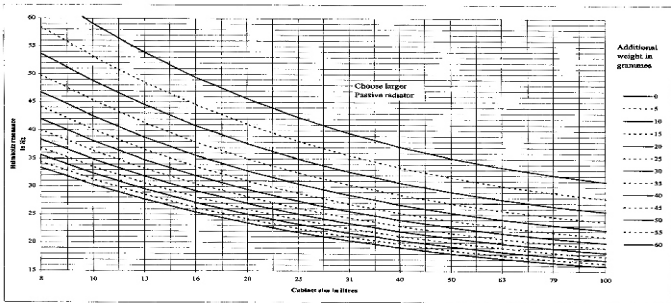
The cone is equipped with a 4mm screw to which you can easily affix added mass.

For optimum performance the passive radiator should be mounted vertically. This is especially important when significant additional mass is used. Polypropylene cone, rubber surround, and injection molded zinc frame.



Nominal Impedance	Ohms	Voice coil resistance	Ohms
Recom. frequency range	Hz	Voice coil inductance	mH
Short term max. Power	W	Force factor	N/A
Long term max. Power	W	Free air resonance	26 Hz
Sensitivity (1W/1m)	dB	Moving mass	21.5 g
		Suspension compliance	1.74 mm/N
		Suspension mech. resistance	Ns/m
		Effective piston area	130 sq. cm
Voice Coil Diameter	mm	Vas	41 Liters
Voice coil height	mm	Qms	
Air gap height	mm	Qes	
Linear coil travel (p-p)	mm	Qts	
Max. coil travel (p-p)	19 mm		
Magnet weight	Kg		
Total weight	.30 Kg		

Passive radiator chart SP17R



Seas SP22R H9945

This 8" passive radiator is intended for use as an alternative to the vented port in a bass reflex cabinet. In many applications a traditional port may produce air noise which is often improved by use of a passive radiator instead.

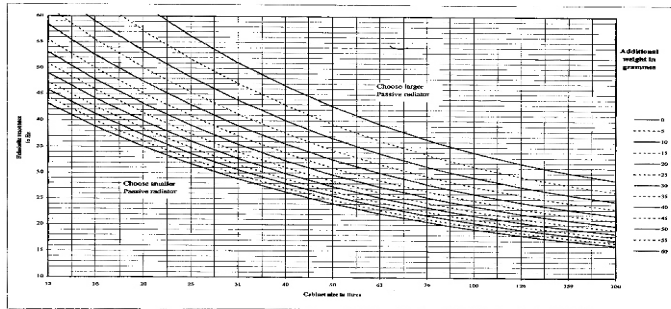
The cone is equipped with a 4mm screw to which you can easily affix added mass.

For optimum performance the passive radiator should be mounted vertically. This is especially important when significant additional mass is used. Polypropylene cone, rubber surround, and injection molded zinc frame.



Nominal Impedance	Ohms	Voice coil resistance	Ohms
Recom. frequency range	Hz	Voice coil inductance	mH
Short term max. power	W	Force factor	N/A
Long term max. Power	W	Free air resonance	22 Hz
Sensitivity (1W/1m)	dB	Moving mass	28 g
		Suspension compliance	1.87 mm/N
		Suspension mech. resistance	Ns/m
		Effective piston area	230 sq. cm
Voice Coil Diameter	mm	Vas	138 Liters
Voice coil height	mm	Qms	
Air gap height	mm	Qes	
Linear coil travel (p-p)	mm	Qts	
Max. coil travel (p-p)	20 mm		
Magnet weight	Kg		
Total weight	.45 Kg		

Passive radiator chart SP21R



Seas SP26R H9946

This 10" passive radiator is intended for use as an alternative to the vented port in a bass reflex cabinet. In many applications a traditional port may produce air noise which is often improved by use of a passive radiator instead.

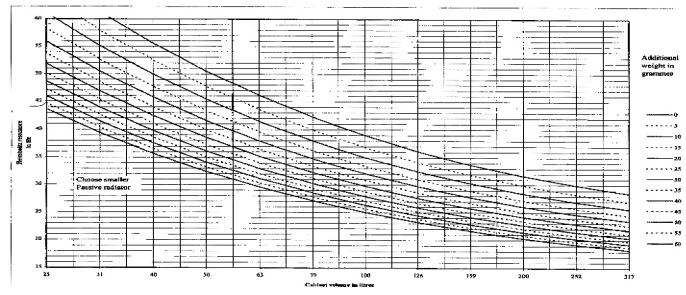
The cone is equipped with a 4mm screw to which you can easily affix added mass.

For optimum performance the passive radiator should be mounted vertically. This is especially important when significant additional mass is used. Polypropylene cone, rubber surround, and injection molded zinc frame.



Nominal Impedance	Ohms	Voice coil resistance	Ohms
Recom. frequency range	Hz	Voice coil inductance	mH
Short term max. power	W	Force factor	N/A
Long term max. Power	W	Free air resonance	22 Hz
Sensitivity (1W/1m)	dB	Moving mass	42 g
		Suspension compliance	1.25 mm/N
		Suspension mech. resistance	Ns/m
		Effective piston area	350 sq. cm
Voice Coil Diameter	mm	Vas	214 Liters
Voice coil height	mm	Qms	
Air gap height	mm	Qes	
Linear coil travel (p-p)	mm	Qts	
Max. coil travel (p-p)	25 mm		
Magnet weight	Kg		
Total weight	.65 Kg		

Passive radiator chart SP25R

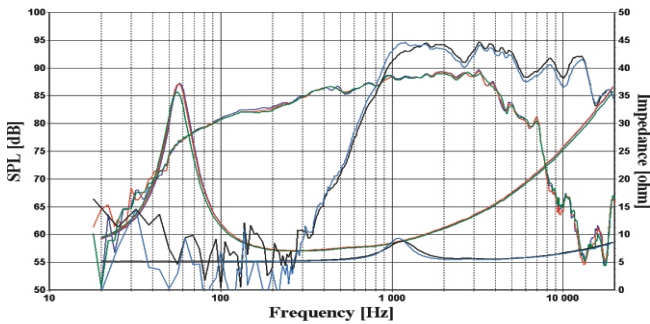


Seas T18REX/XFC H1353

A PP/TPX based cone matches ideally with an **adaptive rubber surround**. The result is an outstandingly smooth frequency response from the mid woofer. A coaxially arranged pre-coated fabric dome high frequency unit with a low resonance frequency, integrates with the cone driver to a point source. The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn. This unshielded version is ideal for smaller enclosures. F3 of 60Hz in 0.3 cubic foot enclosure with a 1.5" diameter vent by 5" long. Crossover available separately.



Tweeter/Woofer		4.8/6.1	
Nominal Impedance	6/8 Ohms	Voice coil resistance	0.05/0.7 mH
Recom. frequency range	40-25000 Hz	Force factor	2.3/7.5 N/A
Short term max. power	220/250 W	Free air resonance	1200/29 Hz
Long term max. power	90/80 W	Moving mass	0.3/13.6 g
Sensitivity (1W/1m)	88.5/87 dB	Suspension compliance	-/2.38 mm/N
Voice Coil Diameter	26/39 mm	Suspension mech. resistance	-/ Ns/m
Voice coil height	1.5/12 mm	Effective piston area	7.0/120 sq. cm
Air gap height	2.0/6.0 mm	Vas	-/47.9 Liters
Linear coil travel (p-p)	0.5/6.0 mm	Qms	-/1.50
Max. coil travel (p-p)	-/20 mm	Qes	-/0.26
Magnet weight	-/0.64 Kg	Qts	-/0.22
Total weight	Kg		

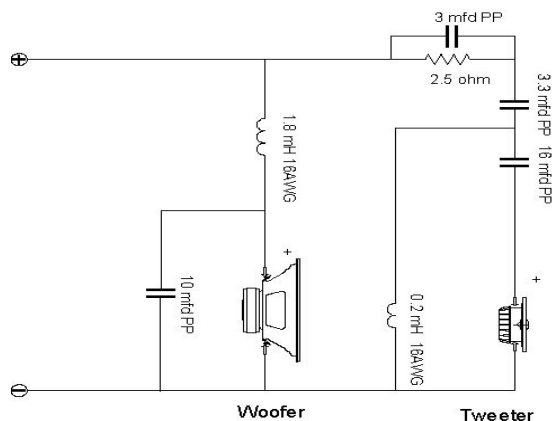
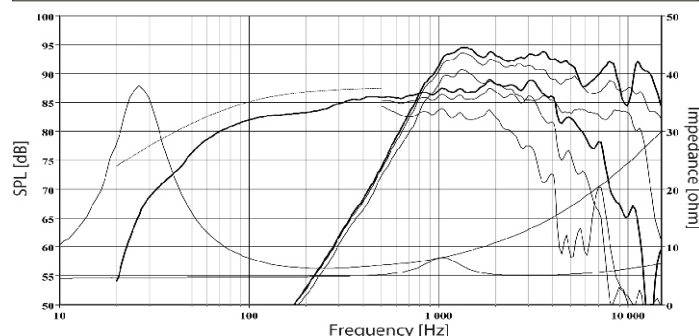


Seas T18RE/XFCTV2 H1333

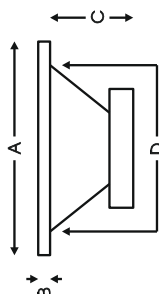
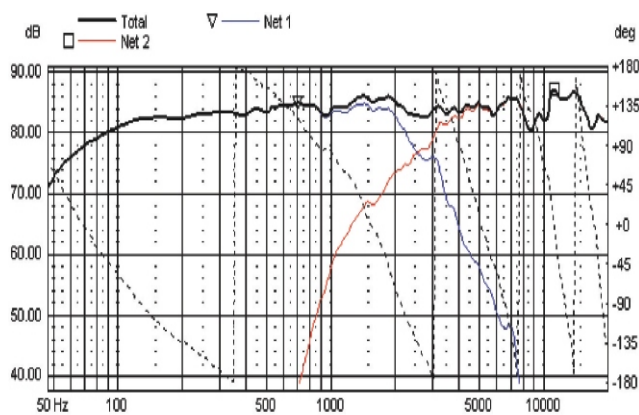
A PP/TPX based cone matches ideally with an **adaptive rubber surround**. The result is an outstandingly smooth frequency response from the mid woofer. A coaxially arranged pre-coated fabric dome tweeter with a low resonance frequency, integrates with the cone driver to a point source. The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn. A compensation magnet and a shielding cup is mounted on the woofer magnet system to eliminate magnetic stray fields, hence the unit can be used very close to CRT's in audio/video applications.



Tweeter/Woofer			Voice coil resistance	4.8/6.1	Ohms
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.79	mH
Recom. frequency range	30-25000	Hz	Force factor	2.3/6.8	N/A
Short term max. power	220/250	W	Free air resonance	1200/26	Hz
Long term max. power	90/80	W	Moving mass	0.3/13.7	g
Sensitivity (1W/1m)	88.5/87	dB	Suspension compliance	-/2.7	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-/1.45	Ns/m
Voice coil height	1.5/12	mm	Effective piston area	7.0/120	sq. cm
Air gap height	2.0/6.0	mm			
Linear coil travel (p-p)	0.5/6.0	mm	Vas	-/52	Liters
Max. coil travel (p-p)	-/20	mm	Qms	-/1.63	
Magnet weight	-/0.84	Kg	Qes	-/0.31	
Total weight	1.91	Kg	Qts	-/0.26	



Crossover for All Coaxials \$36.50 each.



1" = 25.4mm = 2.54cm

SEAS

Driver Dimensions in millimeters, from smallest to largest size. 25.4mm = 1" = 2.54cm				
Unit	A mm	B mm	C mm	D mm
(H0625) / (H1396)&(H1397)	60 / 53	2.1 / 0.5	18 / 21.5	45.9 / 46
(H1406) (truncated flat part 54.7mm)	70.5	4	21.6	46
(H1283), *(H1461)	97.7	3.5	24, *30.5	73, *66
(H1210), (H1213)	103.8	3.5	28.4	74.5
(H0881), (H1147), (H1149), (H1212), (H1189)	103.8	3.5	39.5	74.8
(H0831), (H1211)	103.8	3.6	24.4	74.8
(H1322), H(1318), *(H1499)	103.8	6	24.5, *59.3	73
(E0038), (E0039), (E0040)	110.3	5.5	37.5	75
(E0006), (E0036), *(E0011), (E0047)	110.4	6.3	53, *35	75
(E0021), (H1207), (H1152), *(H1304)	120.4	5	58.5, *55.5	95.8
(E0015), (H1455), (H1141), (H1216), (H1262), *(E0041)	146	4.2	67.3, *75.5	112
(E0037), (E0043)	146	4.2	77	112
(E0049), (H1480)	146	5	73.5	126
(H9928) passive radiator	170.4	3.8	42.5	145.3
(H1350), (E0018), (E0017), (H1224), (H1215), (H1456) *(E0042)	176	5.2	80, *81	145.2
(H1143), (E0027)	176	5.2	100.3	145.2
(H1144), (H1333), *(H1353)	176	5.2	100.5, *84	145.2
(H9901) passive radiator	215.4	4.7	51	186.8
(E0022), (E0045), (H1208), (H1252), (H1288)	221.4	5.5	90	186.4
(H9902) passive radiator	261.2	4.2	58	229
(E0046), (E0026), (H1209), (H1305), *(H1316)	269	5.8	107.5, *100.5	232.2

In the late 1920s, at the Norwegian Institute of Technology (NTH), the first Norwegian electrodynamic loudspeaker drivers were designed. Ever since, Norwegian engineers have been leading the technology race in driver design. From its founding in 1950 as a spin-off of the Norwegian radio manufacturers Radionette and Tandberg, SEAS has been dedicated to creating loudspeakers with superior sound reproduction.

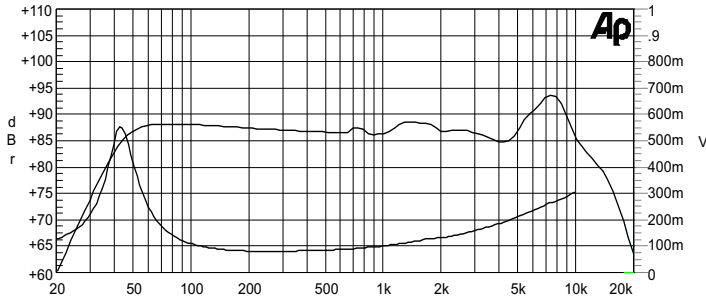
A company owned by its employees, SEAS takes pride in the drivers it has tailored to meet specific customer demands and in the major role it plays in creating the "sound experience" of the contemporary Hi-Fi market.

W14RC25-S-08 \$19.40**Silver Flute**

- 5-1/2"
- **Shielded** Magnet
- Wool Cone
- Cast Frame
- 25mm VC Ø
- Rubber Surround
- F3 of 75Hz in 0.32 ft³ sealed enclosure

Re	7.3	Ohms	BL	5.76	TM
Sensitivity	87	dB	X-max	3.5	mm
Power	60	watts	Le @ 1kHz	0.79	mH
Fs	43.5	Hz	Frame Ø	142	mm
Qms	3.37		Cutout Ø	122	mm
Qes	0.46		Depth	75	mm
Qts	0.40		Krm	0.967	mΩ
Vas	18.9	Ltrs	Kxm	11.129	mH
Mms	7.63	g	Erm	0.875	
Cms	1757.5	μM/N	Exm	0.697	
Sd	0.0087	M ²	Box Rec.:	9 liters sealed	

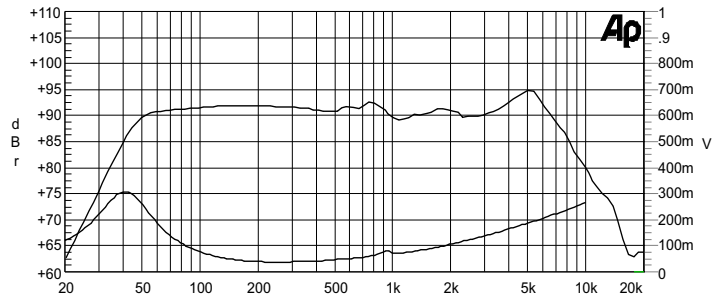
AUDIO PRECISION : W14RC25-S-08

**W17RC38-04 \$24.60****Silver Flute**

- 6-1/2"
- Wool Cone
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- Vented Pole Piece
- F3 of 75Hz in 0.21 ft³ vented

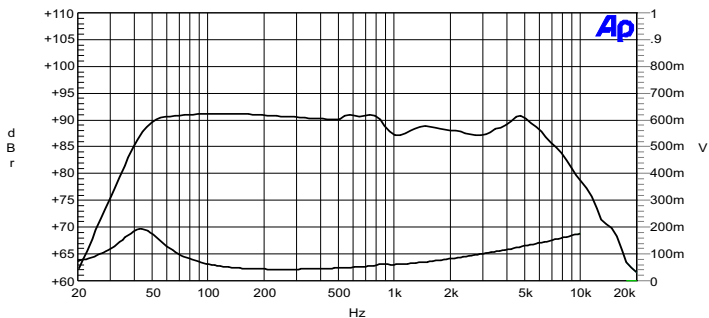
Re	3.7	Ohms	BL	7.31	TM
Sensitivity	91.5	dB	X-max	5	mm
Power	80	watts	Le @ 1kHz	0.53	mH
Fs	37.5	Hz	Frame Ø	167	mm
Qms	1.52		Cutout Ø	147	mm
Qes	0.28		Depth	75	mm
Qts	0.24		Krm	1.370	mΩ
Vas	25.6	Ltrs	Kxm	17.805	mH
Mms	17.4	g	Erm	0.818	
Cms	1036.1	μM/N	Exm	0.599	
Sd	0.0132	M ²	Box Rec.:	6 liters vented 1.5" Ø x 5.5" L	

AUDIO PRECISION : W17RC38-04

**W17RC38-S-04 \$30.70****Silver Flute**

- 6-1/2"
- Wool Cone
- **Shielded** Magnet
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- F3 of 50Hz in 0.48 ft³ vented

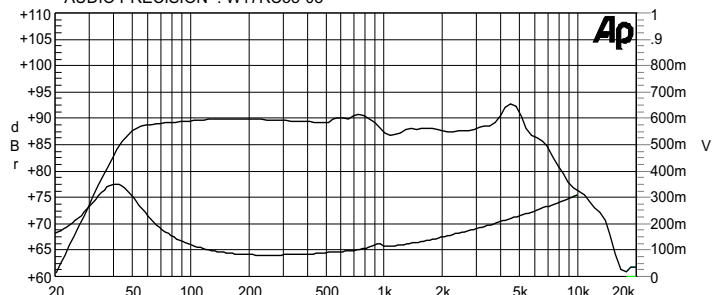
Re	3.7	Ohms	BL	6.02	TM
Sensitivity	90	dB	X-max	5	mm
Power	80	watts	Le @ 1kHz	0.51	mH
Fs	43.1	Hz	Frame Ø	167	mm
Qms	1.83		Cutout Ø	147	mm
Qes	0.42		Depth	93	mm
Qts	0.34		Krm	1.025	mΩ
Vas	22.4	Ltrs	Kxm	15.716	mH
Mms	15.1	g	Erm	0.844	
Cms	903.8	μM/N	Exm	0.607	
Sd	0.0132	M ²	Box Rec.:	14 liters vented 2" Ø x 5.6" L	

**W17RC38-08 \$24.60****Silver Flute**

- 6-1/2"
- Wool Cone
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- Vented Pole Piece
- F3 of 60Hz in 0.42 ft³ vented enclosure

Re	7.3	Ohms	BL	8.26	TM
Sensitivity	89	dB	X-max	5	mm
Power	80	watts	Le @ 1kHz	0.94	mH
Fs	40.5	Hz	Frame Ø	167	mm
Qms	1.52		Cutout Ø	147	mm
Qes	0.36		Depth	75	mm
Qts	0.29		Krm	2.001	mΩ
Vas	28.2	Ltrs	Kxm	36.187	mH
Mms	13.57	g	Erm	0.836	
Cms	1140.0	μM/N	Exm	0.582	
Sd	0.0132	M ²	Box Rec.:	12 ltrs, 2" Ø V x 6" L	

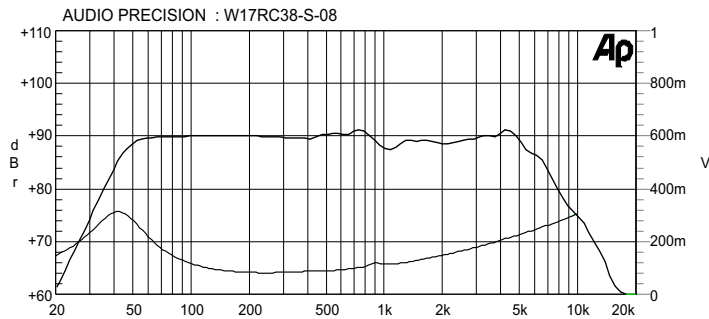
AUDIO PRECISION : W17RC38-08



W17RC38-S-08 \$30.70**Silver Flute**

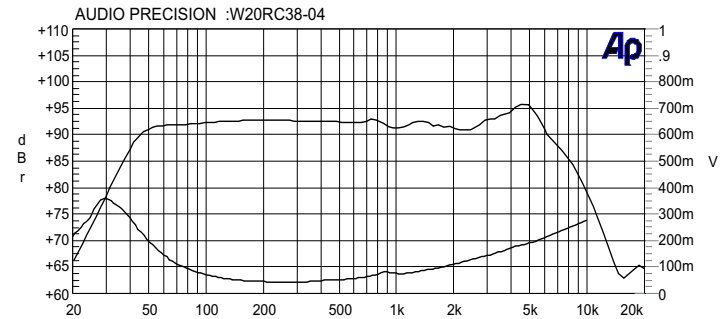
- 6-1/2"
- Wool Cone
- **Shielded** Magnet
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- F3 of 54Hz in 0.46 ft³ vented enclosure

Re	7.3	Ohms	BL	8.33	TM
Sensitivity	88	dB	X-max	5	mm
Power	80	watts	Le @ 1kHz	0.89	mH
Fs	41.3	Hz	Frame Ø	167	mm
Qms	1.45		Cutout Ø	147	mm
Qes	0.40		Depth	93	mm
Qts	0.31		Krm	2.424	mΩ
Vas	24.3	Ltrs	Kxm	30.319	mH
Mms	15.1	g	Erm	0.815	
Cms	982.3	μM/N	Exm	0.597	
Sd	0.0132	M ²	Box Rec.:	13 ltrs, 2" Ø V x 6-1/4" L	

**W20RC38-04 \$31.20****Silver Flute**

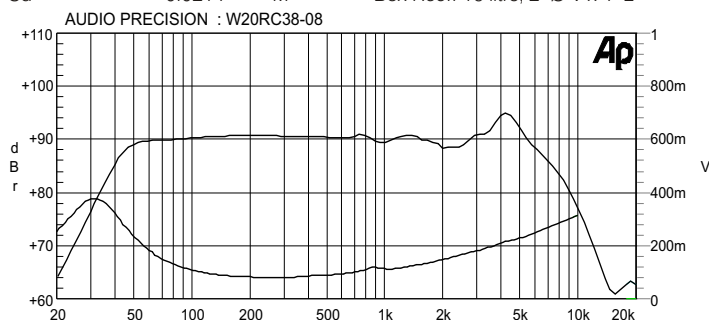
- 8"
- Wool Cone
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- Vented Pole Piece
- F3 of 60Hz in 0.53ft³ vented enclosure

Re	3.7	Ohms	BL	7.9	TM
Sensitivity	93.7	dB	X-max	5	mm
Power	100	watts	Le @ 1kHz	0.52	mH
Fs	31.0	Hz	Frame Ø	203	mm
Qms	1.51		Cutout Ø	183	mm
Qes	0.27		Depth	86	mm
Qts	0.23		Krm	1.324	mΩ
Vas	72.3	Ltrs	Kxm	17.644	mH
Mms	23.7	g	Erm	0.819	
Cms	1111.3	μM/N	Exm	0.596	
Sd	0.0214	M ²	Box Rec.:	15 liters, 2" ØV x 3.75" L	

**W20RC38-08 \$31.20****Silver Flute**

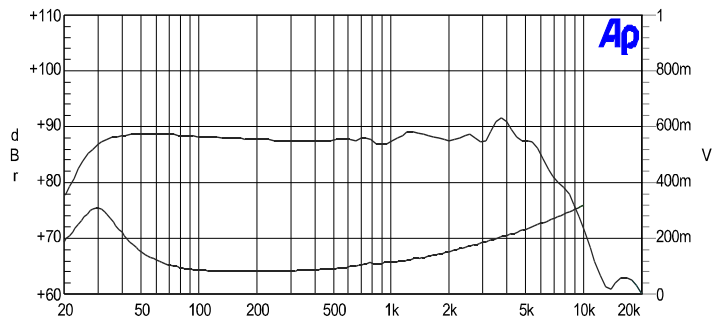
- 8"
- Wool Cone
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- Vented Pole Piece
- F3 of 60Hz in 0.64 ft³ vented enclosure

Re	7.3	Ohms	BL	10.1	TM
Sensitivity	91	dB	X-max	5	mm
Power	100	watts	Le @ 1kHz	0.92	mH
Fs	30.8	Hz	Frame Ø	203	mm
Qms	1.30		Cutout Ø	183	mm
Qes	0.28		Depth	86	mm
Qts	0.23		Krm	1.65	mΩ
Vas	83.3	Ltrs	Kxm	32.793	mH
Mms	20.9	g	Erm	0.853	
Cms	1281.1	μM/N	Exm	0.591	
Sd	0.0214	M ²	Box Rec.:	16 ltrs, 2" Ø V x 4" L	

**W20RC38-S-08 \$38.95****Silver Flute**

- 8"
- Wool Cone
- Cast Frame
- 38mm VC Ø
- Rubber Surround
- **Shielded** magnet
- F3 of 45Hz in 1 ft³ vented enclosure

Re	7.3	Ohms	BL	7.57	TM
Sensitivity	88	dB	X-max	5	mm
Power	100	watts	Le @ 1kHz	0.92	mH
Fs	29.5	Hz	Frame Ø	203	mm
Qms	1.81		Cutout Ø	183	mm
Qes	0.53		Depth	103	mm
Qts	0.41		Krm	1.754	mΩ
Vas	84.7	Ltrs	Kxm	25.339	mH
Mms	22.3	g	Erm	0.849	
Cms	1302.1	μM/N	Exm	0.620	
Sd	0.0214	M ²	Box Rec.:	30 ltrs, 2" Ø V x 3.75" L	





Model #	Description	Ω	Price
V-Line "XT" High Performance Speakers			
XT19TD00	¾" Ring Radiator tweeter	4	\$39.40
XT25SC50	Small Shielded 1" ring radiator	4	\$33.40
XT25TG30	1" Ring Radiator tweeter	4	\$48.20
XT18WH09	7" Wood fiber cone mid/bass	8	\$70.80
XT18WO09	7" Wood fiber cone mid/bass	8	\$82.00
V-Line "PL" Premium Speaker and Classic Series			
DX25TG05	1" Fabric dome tweeter	4	\$27.75
D19TD05	¾" Polymer dome tweeter	8	\$15.20
D25AG35	1" Aluminum dome, chambered	6	\$33.85
D27TG35	1" Fabric dome tweeter, chambered	6	\$28.15
D27TG45	1" Fabric dome tweeter, bulged fp	6	\$28.25
D26NC55	1" Fabric dome neo., w/heat sinks	6	\$28.90
D26NC05	1" Fabric dome, neo., grill	6	\$28.50
VFM	Flush mount kit; D25AC/D26NC	ea	\$3.10
VWM	Wedge mount kit; D25AC/D26NC	ea	\$2.35
H26TG35	Horn 1" Fabric dome tweeter	6	\$30.35
D75MX41	3" Fabric dome midrange	8	\$76.05
PL11MH09	4 1/2" Paper cone midrange	8	\$54.90
PL11WG09	4 ½" Paper cone mid/bass	4/8	\$47.35
PL11WH09	4 ½" Paper cone mid/bass	4/8	\$54.00
PL14WJ09	5 ½" Paper cone mid/bass	4/8	\$64.55

Model #	Description	Ω	Price
PL18WO09	7" Paper cone mid/bass	4/8	\$76.05
PL22WR09	8" Paper cone woofer	4/8	\$97.45
PL26WR09	10" Paper cone woofer	4/8	\$107.90
V-Line TG Series Full Range Glass Fiber Cones			
TG9FD10	3.5" Full Range	4	\$29.50
TG9FSD10	Shielded 3.5" Full Range	4/8	\$33.95
All items listed below are in stock, but being discontinued.			
Vifa "Classic" Tweeters (discontinued)			
D26TG05	1" Fabric dome tweeter	6	\$21.70
D27SG05	Shielded 1" Fabric dome tweeter	6	\$28.15
D27TG05	1" Fabric dome tweeter	6	\$21.90
Vifa "Classic" Mid/Bass & Woofers (discontinued)			
M13SG09	Shielded 5" Paper cone mid/bass	8/16	\$42.00
P13WH00	5" Poly cone mid/bass	8	\$43.75
P17SJ00	Shielded 6.5" Poly cone mid/bass	8	\$58.60
P17WJ00	6.5" Poly cone mid/bass	4/8	\$45.20
P21WO20	8" Poly cone woofer	8	\$63.30
P21WO39	8" Poly cone woofer	8	\$64.80

Vifa Big A/V Kit



22" T x 9 ¼" W x 13 ¾" D

The Big A/V is a shielded Audio/Video speaker using a 1" textile dome tweeter and two 6.5" poly cone woofers in a D'Appolito arrangement. The speakers offers fantastic imaging and depth, delivering accurate voicing as well as impressive bass. Even if

you're not prepared to go for the complete surround sound system, the Big A/V will deliver enough bass and excitement to greatly enhance your movie experience.

The cabinet is oak veneered with solid oak corners in either a clear finish or a black painted finish. A black grill covers the front and the back is painted black. The kit comes with the assembled cabinets, loudspeakers, all brass gold plated input cups, assembled crossovers, foam pads, wool stuffing and screws.

The kit can be ordered with either the Vifa D27SG05 tweeter or the Seas T25CF-001 Excel tweeter. See web for more info.

Big A/V with D27SG-05 tweeter without cabinets:
\$187.50 each (Cabinet not available)

Big A/V with T25CF-001 tweeter without cabinets:
\$246.87 each (Cabinet not available)

Vifa Studio Kit



12" T x 8" W x 10 ¼" D

The Studio is a small monitor type speaker using the new Vifa XT ring radiator tweeter and the Vifa Premium Line 5" woofer. A 6" passive radiator is used on the back to tune the enclosure and extend the bass response. The frequency range is from 45Hz to 20kHz with very impressive bass for such a small speaker.

The new XT tweeter has exceptional clarity and detail, but at the same time being warm and non-intrusive. The woofer is a coated paper cone with a new type of termination to the rubber surround. The woofer frame is cast magnesium and is optimized for low distortion. A paper cone woofer offers the most natural and vivid midrange reproduction.

The cabinet is oak veneered with solid oak corners in either a clear or black stained oak finish. A black grill covers the front and the back of the cabinet is painted black. The kit comes with the assembled cabinets, loudspeakers, all brass gold plated input cups, assembled crossovers, foam pads, wool stuffing and screws.

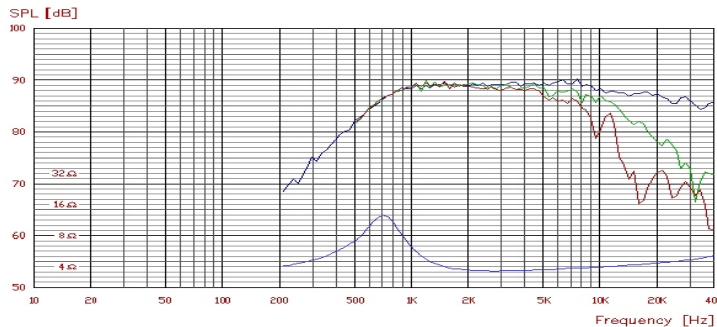
Price per Pair without Cabinets: \$315.00
(Cabinets not available)

XT19TD00-04



- 19mm Dual concentric diaphragm
- Non-reflective dual chamber
- Controlled directivity
- Wave-guide center plug
- copper-clad aluwire VC
- Flange 94mm
- Cutout 68.5mm

Znom	4	ohm	BL	1.7	Tm
Re	2.9	ohm	Vas	-	ltrs
Le@1kHz	-	mH	Xmax	0.35	mm peak
fs	681.9	Hz	VC Ø	19	mm
Qms	2.39		Sensitivity		
Qes	0.82		2.83V / 1m	89	dB
Qts	0.61		Nom. Power DIN		W
Mms	0.20	g	Magnet weight		g
Sd	4.55	cm ²			

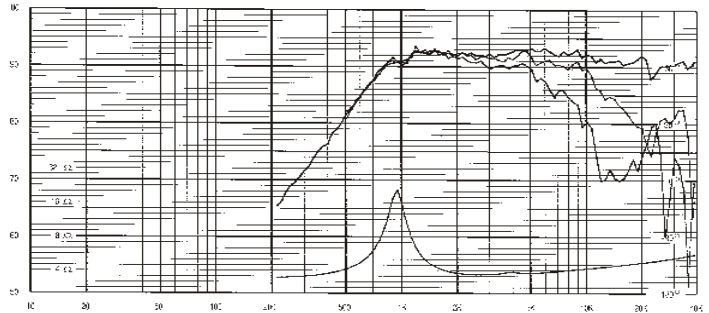


XT25SC50-04



- 25mm Dual concentric diaphragm
- Ring formed chamber
- Controlled directivity
- Heat sink on magnet
- Gasket
- Wave-guide center plug
- Neodymium magnet
- Flange 65mm
- Cutout 46.2mm, D 21mm

Znom	4	ohm	Sd	6.0	cm ²
Re	3.1	ohm	BL	2.3	Tm
Le@1kHz	0.04	mH	Vas	-	ltrs
fs	950	Hz	Xmax	0.5	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	92.5	dB
Mms	.30	g	Nom. Power DIN	80	W
Cms	-	mm/N	Magnet weight	-	g

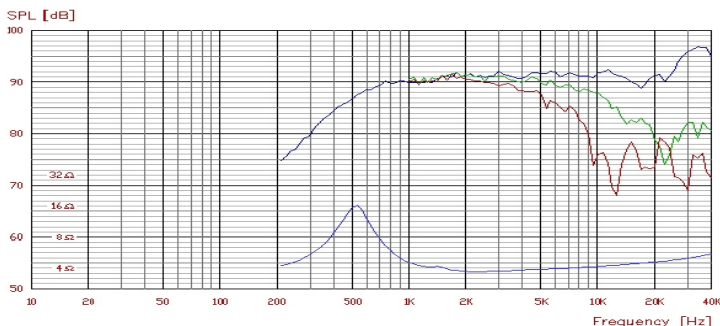


XT25TG30-04



- 25mm Dual concentric diaphragm
- Non-reflective dual chamber
- Controlled directivity
- Wave-guide center plug
- copper-clad aluwire VC and braided leads
- Flange 104mm
- Cutout 73.5mm, D 41mm

Znom	4	ohm	Sd	5.4	cm ²
Re	3.0	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	0.02	ltrs
fs	500	Hz	Xmax	0.5	mm peak
Qms	2.50		VC Ø	25	mm
Qes	0.71		Sensitivity		
Qts	0.55		2.83V / 1m	91.5	dB
Mms	.30	g	Nom. Power DIN	140	W
Cms	-	mm/N	Magnet weight	240	g

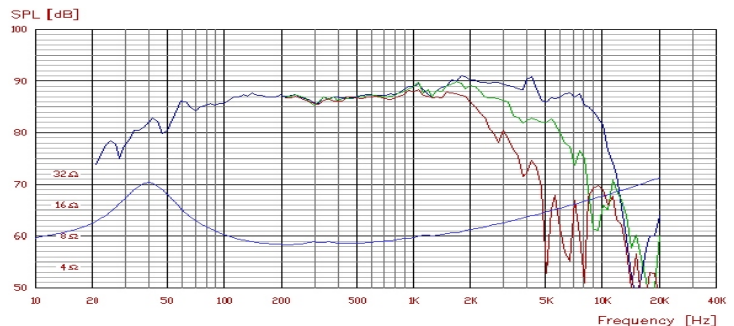


XT18WH09-08



- 7" Wood fiber cone mid-woofer
- Phase integrated dust cap
- Low resonance multi-roll surround
- Airflow optimized low distortion chassis and magnet system
- Flange 180mm
- Special installation inst.

Znom	8	ohm	Sd	129	cm ²
Re	5.5	ohm	BL	5.5	Tm
Le@1kHz	0.54	mH	Vas	39	ltrs
fs	38	Hz	Xmax	5	mm peak
Qms	1.83		VC Ø	25	mm
Qes	0.46		Sensitivity		
Qts	0.37		2.83V / 1m	87	dB
Mms	10.7	g	Nom. Power DIN	-	W
Rm	1.4	Ns/m	Magnet weight	415	g

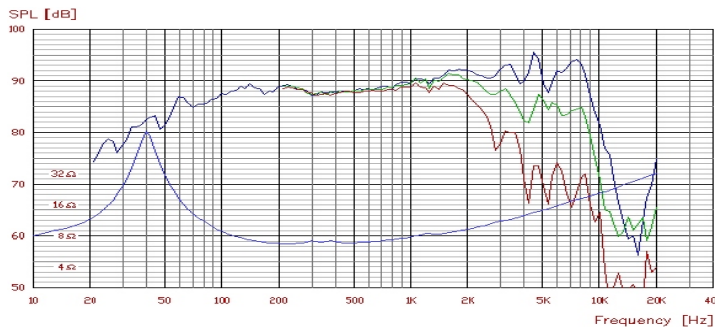


XT18WO09-08



- 7" Wood fiber cone mid-woofer
- Phase integrated dust cap
- Low resonance multi-roll surround
- Airflow optimized low distortion chassis and magnet system
- Flange 180mm
- Special installation inst.

Znom	8 ohm	Sd	129 cm ²
Re	5.8 ohm	BL	6.2 Tm
Le@1kHz	0.54 mH	Vas	38 ltrs
fs	38 Hz	Xmax	4.5 mm peak
Qms	5.87	VC Ø	25 mm
Qes	0.39	Sensitivity	
Qts	0.37	2.83V / 1m	88 dB
Mms	11.1 g	Nom. Power DIN	- W
Rm	0.43 Ns/m	Magnet weight	698 g

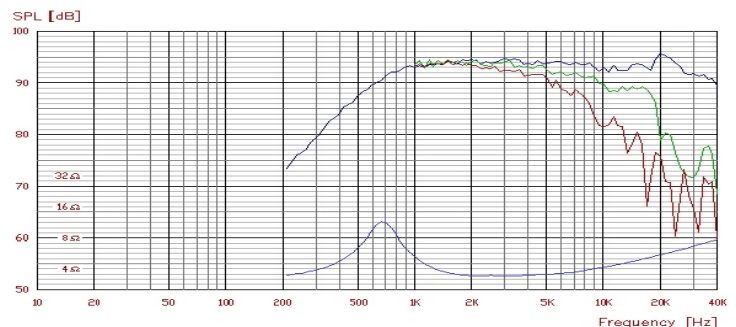


DX25TG05-04



- 1" Fabric high dispersion dome tweeter
- Low compression chamber design
- Light weight voice coil
- High power handling
- High Sensitivity
- Flange 104mm
- Cut-out 75mm
- Depth 26mm

Znom	4 ohm	Sd	7.0 cm ²
Re	2.75 ohm	BL	2.2 Tm
Le@1kHz	mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	4.32	VC Ø	25 mm
Qes	0.79	Sensitivity	
Qts	0.67	2.83V / 1m	93.5 dB
Mms	0.42 g	Nom. Power DIN	- W
Cms	- mm/N	Magnet weight	240 g

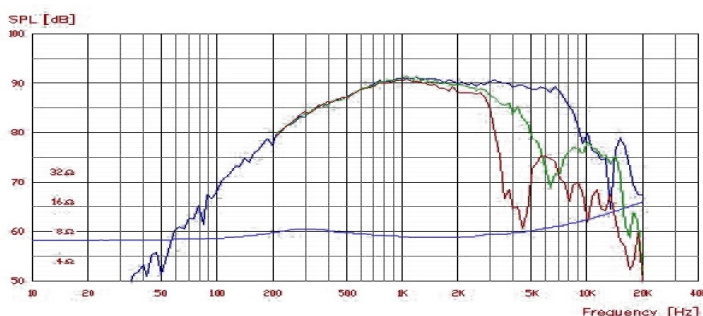


D75MX-41-08



- 3" dome midrange
- Precoated fabric diaphragm
- Low moving mass
- Internal ferrite magnet
- Very linear impedance
- Flange 152mm
- Cutout 120.7mm
- Depth 31.5mm

Znom	8 ohm	Sd	55 cm ²
Re	5.9 ohm	BL	4.7 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	350 Hz	Xmax	- mm peak
Qms	-	VC Ø	76 mm
Qes	-	Sensitivity	
Qts	-	2.83V / 1m	92 dB
Mms	3.1 g	Nom. Power DIN	80 W
Cms	- mm/N	Magnet weight	240 g

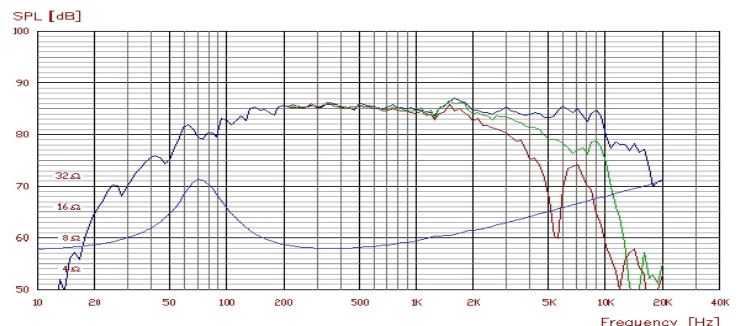


PL11WG-09-08



- PREMIUM LINE 4.5" mid-woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 125mm
- Cut-out 101mm
- Depth 59mm

Znom	8 ohm	Sd	58 cm ²
Re	5.6 ohm	BL	4.9 Tm
Le@1kHz	.61 mH	Vas	4.25 ltrs
fs	69 Hz	Xmax	3 mm peak
Qms	2.20	VC Ø	25 mm
Qes	0.60	Sensitivity	
Qts	0.47	2.83V / 1m	85 dB
Mms	5.9 g	Nom. Power DIN	35 W
Cms	-	Magnet weight	8.5 oz.



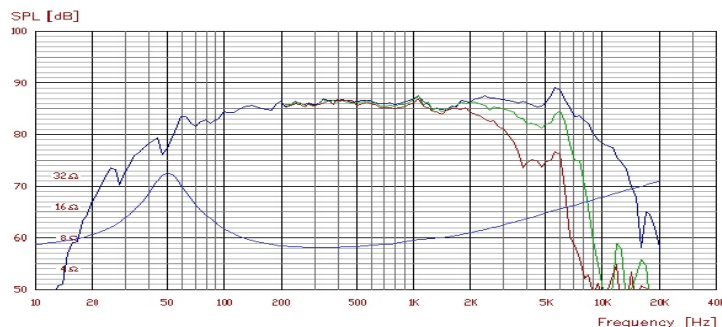
PL14WJ-09-08



- PREMIUM LINE 5" mid-woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 149mm
- Cut-out 115mm
- Depth 71mm

Znom	8 ohm
Re	5.8 ohm
Le@1kHz	.49 mH
fs	47 Hz
Qms	2.20
Qes	0.46
Qts	0.38
Mms	8.2 g
Cms	- mm/N

Sd	80 cm ²
BL	5.5 Tm
Vas	13 ltrs
Xmax	3 mm peak
VC Ø	32 mm
Sensitivity	
	2.83V / 1m 86 dB
Nom. Power DIN	50 W
Magnet weight	14.5 oz.



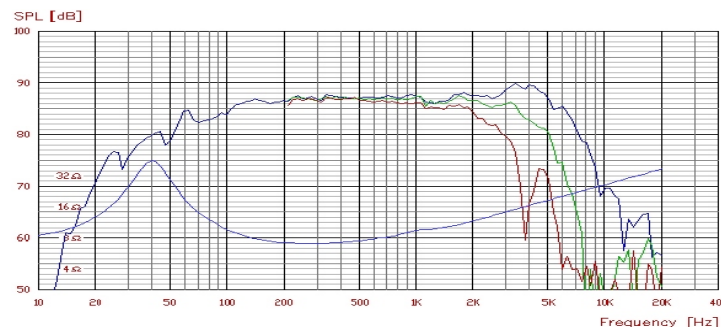
PL18WO-09-08



- PREMIUM LINE 7" woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 180mm
- Cut-out 145mm
- Depth 84mm

Znom	8 ohm
Re	5.8 ohm
Le@1kHz	.85 mH
fs	39 Hz
Qms	2.46
Qes	0.40
Qts	0.34
Mms	17.5 g
Cms	- mm/N

Sd	132 cm ²
BL	7.8 Tm
Vas	25 ltrs
Xmax	4 mm peak
VC Ø	40 mm
Sensitivity	
	2.83V / 1m 87 dB
Nom. Power DIN	100 W
Magnet weight	24.7 oz



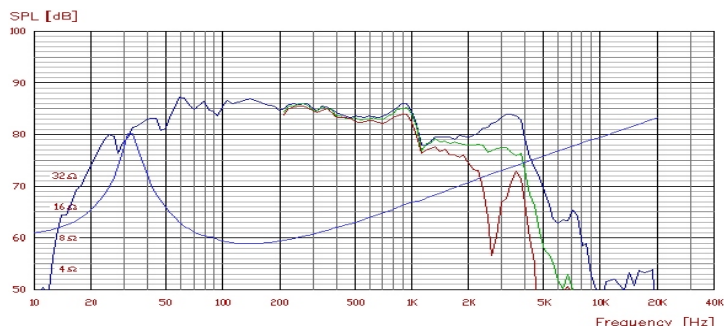
PL22WR-09-08



- PREMIUM LINE 8" woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 225mm
- Cut-out 185mm
- Depth 99mm

Znom	8 ohm
Re	5.9 ohm
Le@1kHz	2.7 mH
fs	27 Hz
Qms	5.65
Qes	0.37
Qts	0.34
Mms	43 g
Cms	- mm/N

Sd	224 cm ²
BL	10.9 Tm
Vas	56 ltrs
Xmax	4 mm peak
VC Ø	50 mm
Sensitivity	
	2.83V / 1m 85.5 dB
Nom. Power DIN	125 W
Magnet weight	37 oz



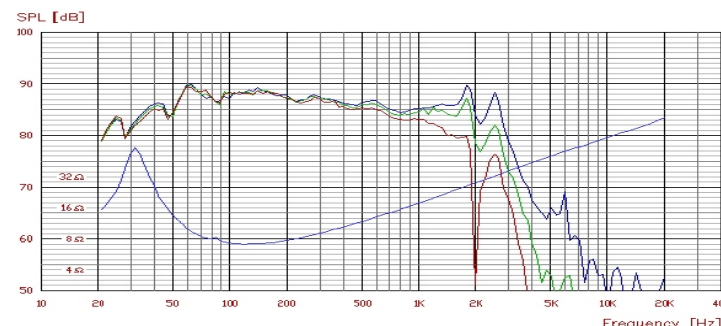
PL26WR-09-08



- PREMIUM LINE 10" woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 271mm
- Cut-out 232mm
- Depth 107mm

Znom	8 ohm
Re	5.9 ohm
Le@1kHz	2.7 mH
fs	27 Hz
Qms	4.33
Qes	0.43
Qts	0.39
Mms	51 g
Cms	- mm/N

Sd	337 cm ²
BL	10.9 Tm
Vas	110 ltrs
Xmax	4 mm peak
VC Ø	50 mm
Sensitivity	
	2.83V / 1m 87 dB
Nom. Power DIN	125 W
Magnet weight	37 oz



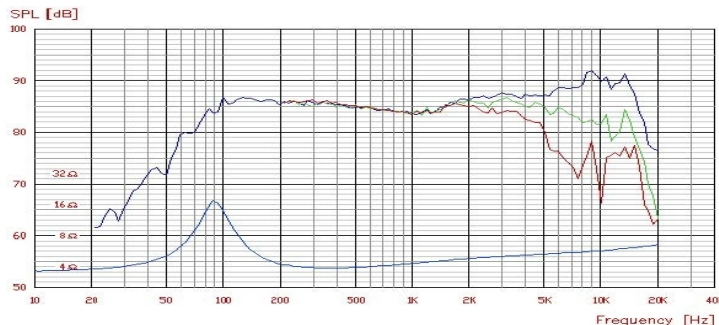
TG9FD10-04



- 3 1/2" Full Range
- NRSC Glass Fiber Cone
- Copper cap on pole piece
- Polymer Chassis
- Frequency Response 100Hz to 10kHz
- Flange 98mm Square
- Cut-out 78.5mm
- Depth 38mm
- Flange Thickness 3.2mm

Znom	4 ohm
Re	3.2 ohm
Le@1kHz	0.12 mH
fs	82 Hz
Qms	2.90
Qes	0.70
Qts	0.56
Mms	2.45 g
Rm	- Ns/m

Sd	38 cm ²
BL	2.4 Tm
Vas	3.15 ltrs
Xmax	2.6 mm peak
VC Ø	20 mm
Sensitivity	
	2.83V / 1m 85.5 dB
Nom. Power DIN	- W
Magnet weight	105 g



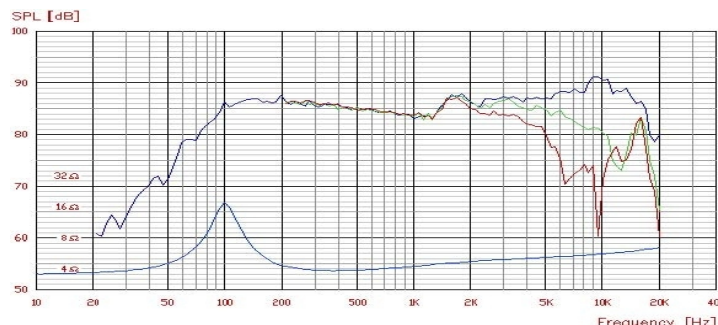
TG9FSD10-04



- 3 1/2" Full Range
- NRSC Glass Fiber Cone
- Copper cap on pole piece
- Polymer Chassis
- Frequency Response 100Hz to 10kHz
- Flange 98mm Square
- Cut-out 78.5mm
- Depth 38mm
- **Shielded Magnet**

Znom	4 ohm
Re	3.2 ohm
Le@1kHz	0.12 mH
fs	82 Hz
Qms	2.90
Qes	0.70
Qts	0.56
Mms	2.45 g
Rm	- Ns/m

Sd	38 cm ²
BL	2.4 Tm
Vas	3.15 ltrs
Xmax	2.6 mm peak
VC Ø	20 mm
Sensitivity	
	2.83V / 1m 85.5 dB
Nom. Power DIN	- W
Magnet weight	105 g



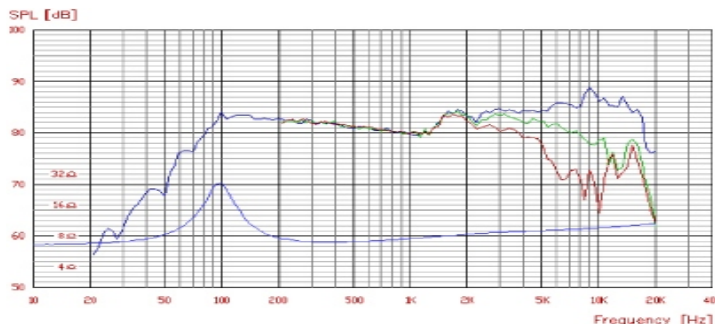
TG9FSD10-08



- 3 1/2" Full Range
- NRSC Glass Fiber Cone
- Copper cap on pole piece
- Polymer Chassis
- Frequency Response 100Hz to 10kHz
- Flange 98mm Square
- Cut-out 78.5mm
- Depth 38mm
- **Shielded Magnet**

Znom	8 ohm
Re	6.3 ohm
Le@1kHz	0.12 mH
fs	87 Hz
Qms	3.08
Qes	0.87
Qts	0.68
Mms	2.2 g
Rm	- Ns/m

Sd	38 cm ²
BL	2.95 Tm
Vas	3.1 ltrs
Xmax	2.6 mm peak
VC Ø	20 mm
Sensitivity	
	2.83V / 1m 82.5 dB
Nom. Power DIN	- W
Magnet weight	105 g



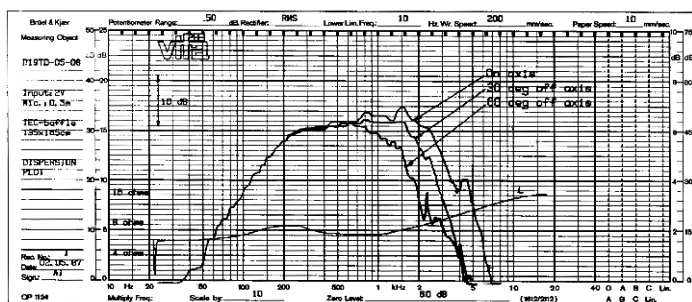
D19TD-05-08



- 3/4" dome tweeter
- High loss diaphragm
- Magnetic fluid
- High power version
- Good dispersion
- Flange 94mm
- Cut-out 68mm
- Depth 23mm

Znom	8 ohm
Re	6.2 ohm
Le@1kHz	- mH
fs	1700 Hz
Qms	-
Qes	-
Qts	-
Mms	0.2g
Cms	- mm/N

Sd	4.2 cm ²
BL	2.6 Tm
Vas	- ltrs
Xmax	- mm peak
VC Ø	19 mm
Sensitivity	
	2.83V / 1m 89 dB
Nom. Power DIN	80 W
Magnet weight	105 g

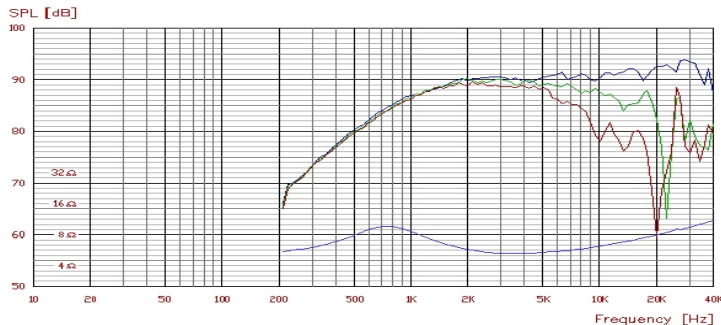


D25AG-35-06



- 1" dome tweeter
- Aluminum alloy diaphragm
- Magnetic fluid
- Double chamber
- Piston movement to above 20 hz
- Flange 104mm
- Cut-out 74.3mm
- Depth 40mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	3.3	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	850	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	90	dB
Mms	0.3	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	g

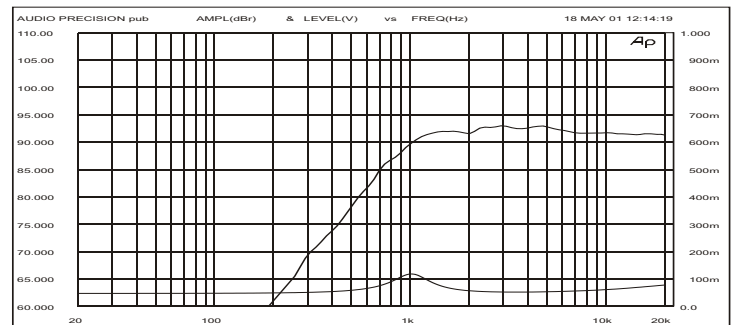


D27SG-05-06



- 1" dome tweeter
- Shielded magnet
- Coated fabric with silk diaphragm
- Double magnet
- Linear response front plate, neutral design
- Flange 104mm
- Cut-out 79.3mm
- Depth 41.7mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	26	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	92	dB
Mms	.3	g	Nom. Power DIN	80	W
Cms	-	mm/N	Magnet weight	432	kg

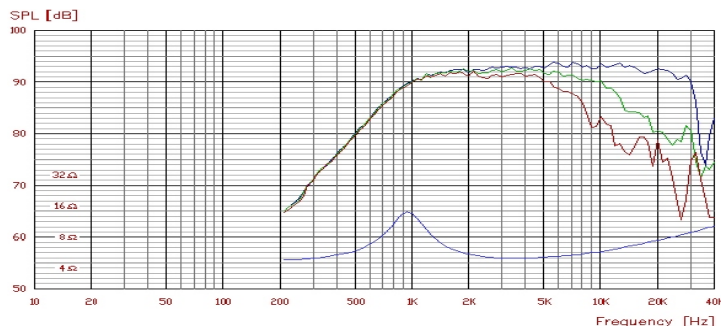


D27TG-05-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response front plate, neutral design
- Magnetic fluid
- Flange 104mm
- Cut-out 73.5mm
- Depth 31.5mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	2.15		VC Ø	26	mm
Qes	1.19		Sensitivity		
Qts	0.77		2.83V / 1m	92	dB
Mms	0.3	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	g

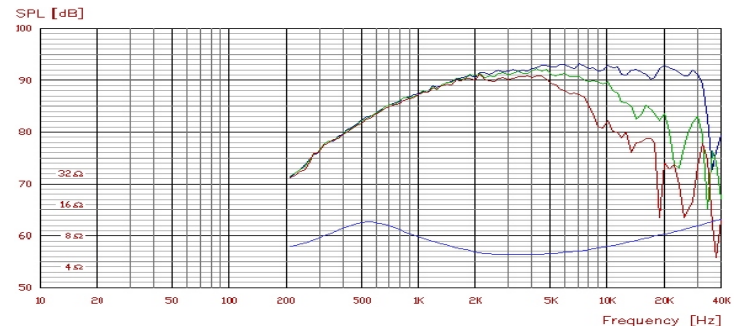


D27TG-35-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response frontplate, neutral design
- Magnetic fluid
- Braids and rear chamber
- Flange 104mm
- Cut-out 73.5mm
- Depth 55mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	0.95		VC Ø	26	mm
Qes	0.77		Sensitivity		
Qts	0.43		2.83V / 1m	91	dB
Mms	.3	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	g

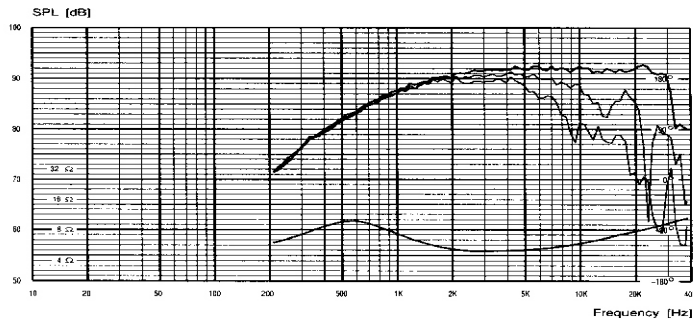


D27TG-45-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response frontplate
- Magnetic fluid
- Braids and rear chamber
- Diameter 104mm
- Cut-out 73.5mm
- Depth 55mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	-	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	0.95		VC Ø	26	mm
Qes	0.77		Sensitivity		
Qts	0.43		2.83V / 1m	91	dB
Mms	.3	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	g

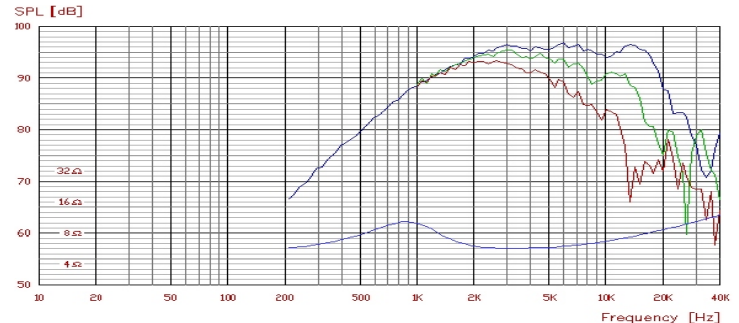


H26TG-35-06



- 1" imp.transformer
- Chambered
- Fabric diaphragm
- Butterfly VC assembly
- Improved air load on diaphragm
- Magnetic fluid
- Flange 104mm
- Cut-out 73.5mm
- Depth 57.5mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	3.3	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	940	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	96	dB
Mms	.33	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	g

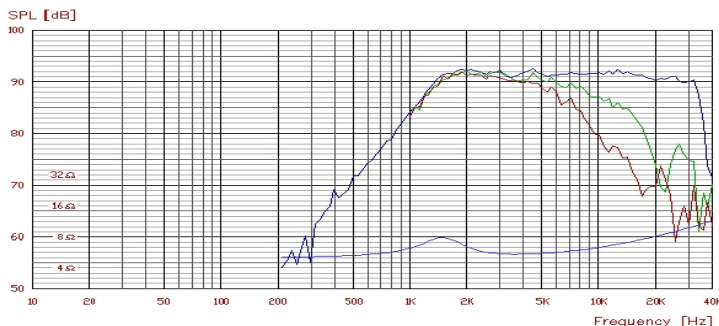


D26NC-55-06



- 1" textile dome tweeter
- Neodymium magnet
- Heat sink for increased power handling and lower distortion
- Ferrofluid cooled
- Truncated face plate
- Flange 70mm (54Trun.)
- Cut-out 49.2mm
- Depth 23mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	2.5	Tm
Le@1kHz	0.05	mH	Vas	-	ltrs
fs	1500	Hz	Xmax	0.25	mm peak
Qms	1.48		VC Ø	25	mm
Qes	2.29		Sensitivity		
Qts	0.90		2.83V / 1m	91	dB
Mms	0.33	g	Nom. Power DIN	50	W
Cms	-	mm/N	Magnet weight	0.01	kg

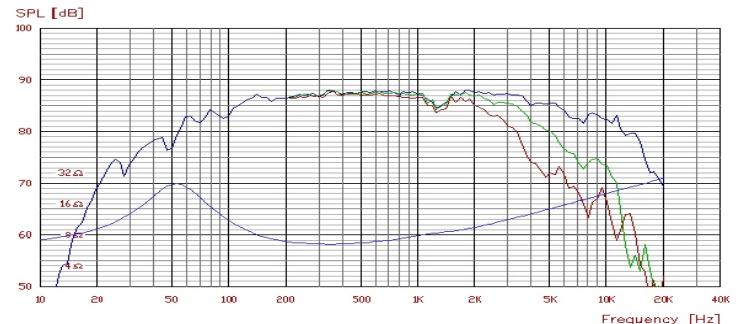


M13SG-09-08



- 5" woofer
- Magnetically shielded
- Very smooth frequency response
- High damping rubber surround
- Good for bass reflex
- Flange 140mm
- Cut-out 112.3mm
- Depth 73.6mm

Znom	8	ohm	Sd	80	cm ²
Re	5.6	ohm	BL	5.2	Tm
Le@1kHz	-	mH	Vas	12	ltrs
fs	54	Hz	Xmax	2	mm peak
Qms	1.50		VC Ø	25	mm
Qes	0.46		Sensitivity		
Qts	0.35		2.83V / 1m	88	dB
Mms	6.5	g	Nom. Power DIN	35	W
Cms	-	mm/N	Magnet weight	344	g

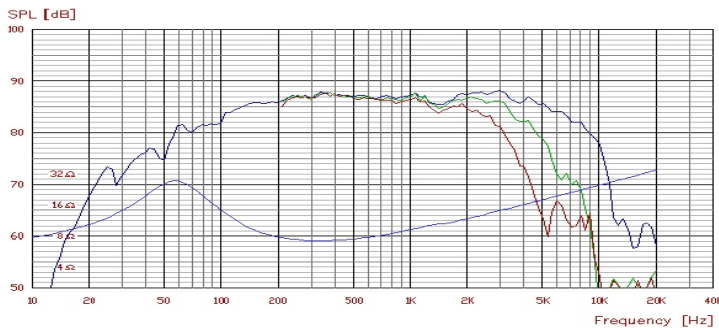


P13WH-00-08



- 5" Mineral filled polycone
- Rubber surround
- Magnesium basket
- Smooth roll off
- Neutral midrange
- Vented pole piece
- Flange 140mm
- Cut-out 112.3mm
- Depth 64.5mm

Znom	8	ohm	Sd	86	cm ²
Re	5.7	ohm	BL	6.0	Tm
Le@1kHz	.7	mH	Vas	10	ltrs
fs	60	Hz	Xmax	4	mm peak
Qms	1.38		VC Ø	25	mm
Qes	0.43		Sensitivity		
Qts	0.33		2.83V / 1m	88	dB
Mms	7.5	g	Nom. Power DIN	40	W
Cms	-	mm/N	Magnet weight	415	g

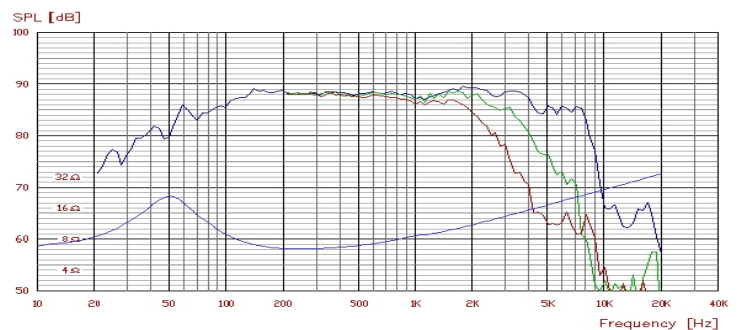


P17SJ-00-08



- 6-1/2" woofer
- Magnesium basket
- Mineral filled polycone
- Rubber surround
- Smooth response
- Magnetically shielded
- Flange 170mm
- Cut-out 145.8mm
- Depth 93.1mm

Znom	8	ohm	Sd	136	cm ²
Re	5.6	ohm	BL	6	Tm
Le@1kHz	.84	mH	Vas	33	ltrs
fs	41	Hz	Xmax	4.5	mm peak
Qms	1.28		VC Ø	32	mm
Qes	0.48		Sensitivity		
Qts	0.35		2.83V / 1m	87/87	dB
Mms	12	g	Nom. Power DIN	20	W
Cms	-	mm/N	Magnet weight	721	g

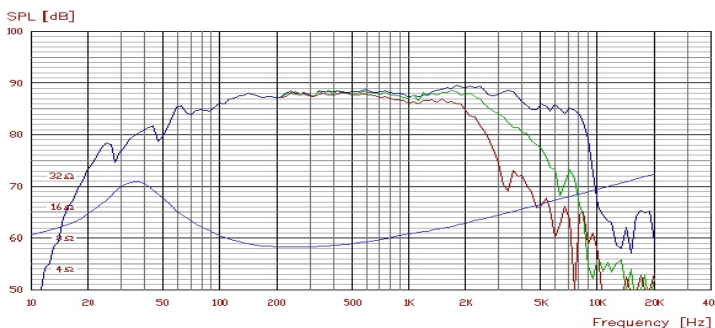


P17WJ-00-08



- 6-1/2" woofer
- Magnesium basket
- Mineral filled polycone
- Rubber surround
- Smooth response
- Ideal for bass reflex
- Flange 170mm
- Cut-out 145.5mm
- Depth 75.1mm

Znom	8	ohm	Sd	136	cm ²
Re	5.8	ohm	BL	6.5	Tm
Le@1kHz	.55	mH	Vas	34.7	ltrs
fs	37	Hz	Xmax	4.5	mm peak
Qms	1.55		VC Ø	32	mm
Qes	0.45		Sensitivity		
Qts	0.35		2.83V / 1m	88	dB
Mms	14	g	Nom. Power DIN	70	W
Cms	-	mm/N	Magnet weight	415	g

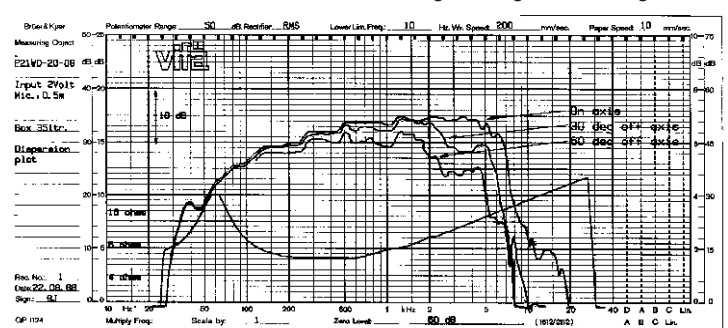


P21WO-20-08



- 8" woofer
- Magnesium basket
- Mineral filled poly cone
- Rubber surround
- Flat response
- Ideal for bass reflex
- Flange 215mm
- Cut-out 186.5mm
- Depth 80.4

Znom	8	ohm	Sd	235	cm ²
Re	5.7	ohm	BL	7.4	Tm
Le@1kHz	0.9	mH	Vas	113	ltrs
fs	28	Hz	Xmax	4	mm peak
Qms	1.6		VC Ø	40	mm
Qes	0.41		Sensitivity		
Qts	0.33		2.83V / 1m	91	dB
Mms	22.5	g	Nom. Power DIN	80	W
Cms	-	mm/N	Magnet weight	698	g

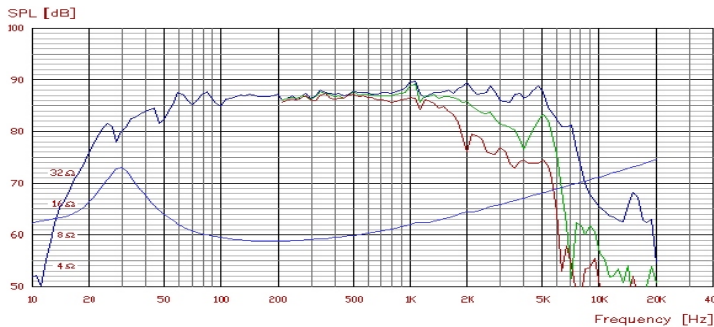


P21WO-39-08



- 8" Polypropylene cone woofer
- Rubber surround
- Cast magnesium frame
- Long throw / low distortion motor
- Good for vented boxes
- Flange 215.2mm
- Cut-out 186.5mm
- Depth 82.1mm

Znom	8	ohm	Sd	235.0	cm ²
Re	5.5	ohm	BL	8.5	Tm
Le@1kHz	1.0	mH	Vas	85	ltrs
fs	26	Hz	Xmax	6.0	mm peak
Qms	2.38		VC Ø	40	mm
Qes	0.44		Sensitivity		
Qts	0.37		2.83V / 1m	88	dB
Mms	32.0	g	Nom. Power DIN	80	W
Cms	-	mm/N	Magnet weight	0.7	kg

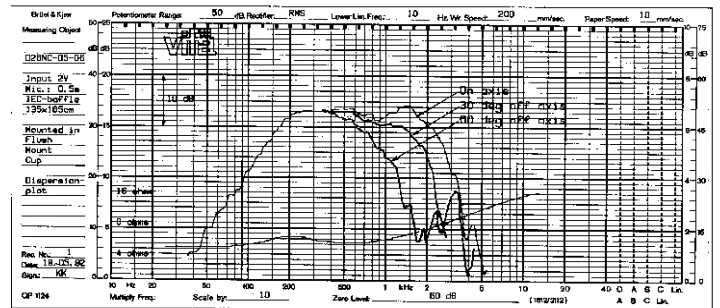


D26NC-05-06



- 1" textile dome autosound tweeter
- Compact construction
- Butterfly VC assembly
- Magnetic fluid
- Metal grill
- Neodymium magnet
- Flange 45mm
- Cut-out 45mm
- Depth 22mm

Znom	6	ohm	Sd	7.1	cm ²
Re	4.6	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1800	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	91.5	dB
Mms	.27	g	Nom. Power DIN	30	W
Cms	-	mm/N	Magnet weight	11	g



Vifa Wedge Surface Mount for D26NC05



Vifa Flush Mount for D26NC05



Home Theater Speakers from Madisound & Vifa

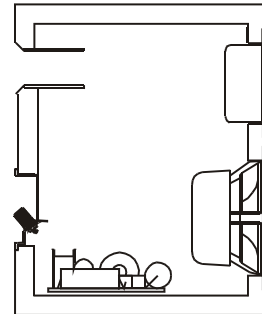
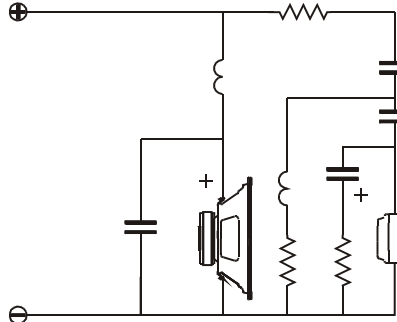
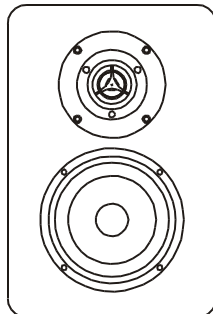
If you have been looking for Home Theater speakers that are better than the current choices on the market, Madisound and Vifa have some good news for you. Vifa has designed exceptional shielded high fidelity loudspeakers for this purpose, and Madisound has matched these drivers with precise crossovers and beautiful oak veneer cabinets.

The following designs were developed using Madisound's anechoic chamber, Audio Precision measurement and Leap analysis. All three speakers use the Vifa M13SG09, a 13cm paper cone, cast frame woofer. The tweeter is the D27SG05, which is also shielded and has a 27mm textile dome. The cabinets are no longer available, so these are truly DIY now. Everything you need to complete the system is included and the crossovers are pre-assembled.

Precut cabinets are no longer available for these systems.

Vifa Solo Shielded 2-way Audio/Video Speaker Price Each \$110.00

H - 12"
W - 8"
D - 10 1/4"

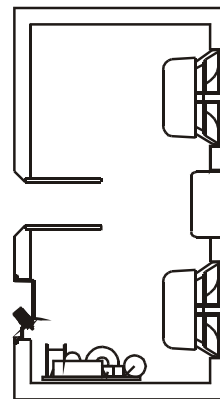
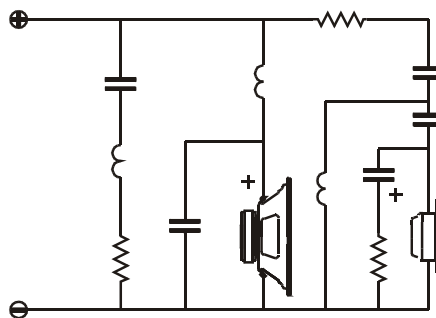
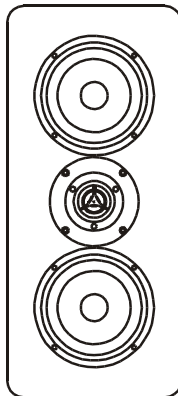


Nominal Impedance: 8 ohms

Frequency range $\pm 3\text{dB}$: 60Hz to 35KHz - Vented

Vifa A/V Shielded MTM Audio/Video Speaker Price Each \$145.00

H - 18 1/2"
W - 8"
D - 10 1/2"

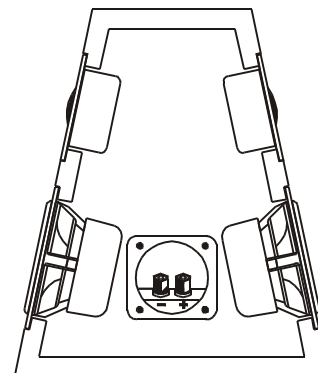
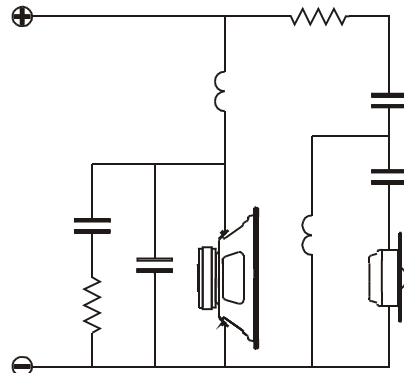
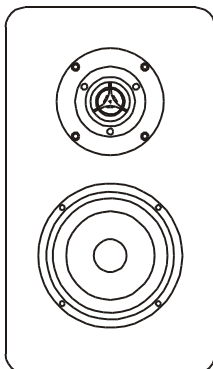


Nominal Impedance: 8 ohms

Frequency range $\pm 3\text{dB}$: 55Hz to 35KHz - Vented

Vifa Surround Dipole/Bipole A/V Speaker Price Each \$180.00

H - 14"
W - 8"
D - 12"



Nominal Impedance: 8 ohms

Frequency range $\pm 3\text{dB}$: 80Hz to 35KHz - Sealed



Return Policy: We will accept returns of purchases for refund if items are in unused condition, without evidence of mounting or soldering, for a period of 45 days after purchase. Product received in damaged condition should be reported immediately, and the original shipping carton should be retained for UPS inspection. Defective products should be returned with a note explaining the problem, and a daytime phone number to reach you for additional information. Package returns carefully; manufacturers will not warranty damaged products. We handle most warranty claims directly, and will usually exchange defective units within two weeks of return. Disputes over driver performance will be handled through the manufacturer.

☐ Check here if the shipping address is the same.

Sold to: _____

Email: _____

Ship to: _____

Daytime Phone: _____

(International Customers must include phone number.)

Quantity	Description	Unit Price	Total Price
Shipping charges are exactly what UPS or the US Postal Service charges us, there are no additional packaging or handling fees. We ask for you to include 10% for shipping, <i>we will bill you or refund to you any difference.</i>			Sub-total
			\$0.00
			5.5% Sales Tax (WI only)
			Shipping Charges <i>Estimate</i> (add 10%)
			Hawaii & UPS Blue add 20 %
			TOTAL

Shipping on International Orders will be quoted after the boxes have been weighed. We ship FedEx or UPS Intl.

PAYMENT

☐ Visa, MasterCard, Discover; # _____ Expires _____

☐ CHECK (personal checks must clear before shipping)

☐ C.O.D. Money Order / Certified Check

Comments: _____

☐ Money Order

Click on the plus sign within the box to the left in order to expand this bookmark.