



You can hear the difference!

Speaker Systems	Drivers	Kits	Multimedia	Company	Support	Purchase
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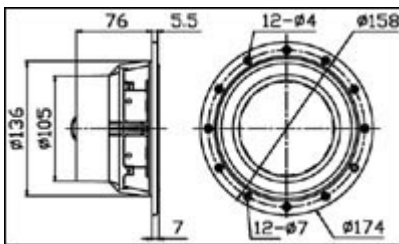
D6.8 Bass-Midrange

shallow mineral filled polypropylene cone;
 specially made high loss rubber surround;
 shielded vented magnet system with Neodymium magnet;
 long-throw symmetrically driving motor structure with linear excursion increased up to 5.25 mm;
 high power handling voice coil with Ø76 mm Kapton® former;
 high density aluminum die-cast frame

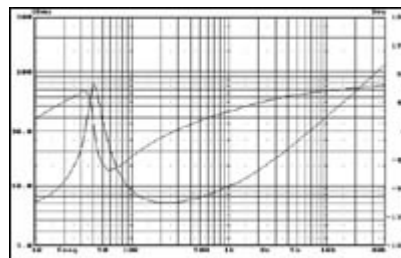
D6.8 represents a design where the voice coil is positioned over an undercut central pole piece with a large thermally stabilized Neodymium magnet at the bottom. A specially shaped, CNC machined steel cup completes the magnetic structure from the outside, creating a shielded magnet system with symmetrical flux density distribution along the gap. The long-throw voice coil experiences a symmetric driving force and substantial decrease of inductance and back electromotive force modulations. The whole magnet structure is optimized using Finite Element Analysis. The result is a radical improvement of driver linearity. The cone has a shallow, high integrity structure, which is extremely rigid and dynamically stable. The large voice coil diameter allows more uniform cone excitation, thus improving phase and transient characteristics of the driver, resulting in clear and accurate reproduction. The vented design, and a high temperature rated voice coil provide a dramatic increase of power handling.

D6.8 is suitable for a wide variety of vented box systems. This driver is capable of delivering the deepest possible base for a mini monitor speaker. It also may be incorporated in a small enclosure as a bass-midrange driver, when a subwoofer is employed..

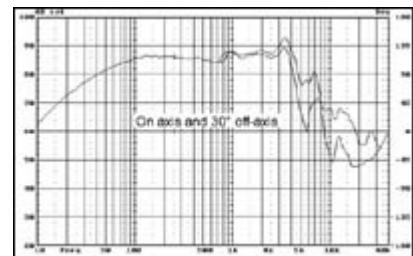
Products Graph:



Mechanical Drawing
(Magnify)



Impedance
(Magnify)



Frequency Response
(Magnify)

[More picture](#)

Woofer D series:

D6.8 Bass-Midrange

Nominal Impedance (Z)(O) :	8
Resonance Frequency (Fs)(Hz) :	43
Nominal Power Handling (Pnom)(W) :	60
Max Power Handling(Pmax)(W) :	120
Sensitivity (2.83v/1m)(dB) :	85
Weight (M)(Kg) :	1.7
VC Diameter (mm) :	76 CCAW
DC Resistance(O) :	6.5
VC Length (H)(mm) :	15.5



VC Frame :	Kapton
Magnet System :	Shielded
Magnet Former :	Neodymium
Force Factor (BL)(TM) :	8.9
Gap Height (He)(mm) :	5.0
Linear Excursion (Xmax)(mm) :	5.3
Suspension Compliance (Cms)(uM/N) :	647
Mechanical Q (Qms) :	5.21
Electrical Q (Qes) :	0.49
Total Q (Qts) :	0.45
Moving Mass (Mms)(g) :	21.9
Effective Piston Area (Sd)(m2) :	0.0121
Equivalent Air Volume (Vas)(L) :	13.5
Cabinet Type :	Vented
Recommended Box Volume(Vb)(L) :	10
Tuning Frequency(Fb)(Hz) :	44
-3dB Cut-Off Frequency(F3)(Hz) :	44

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