



You can hear the difference!

Speaker Systems	Drivers	Kits	Multimedia	Company	Support	Purchase
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D10.8 Hi-end Woofer

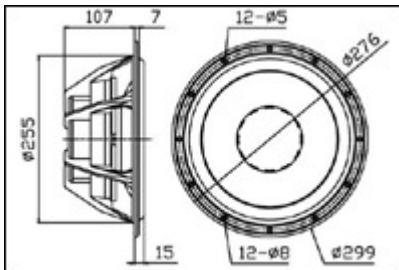
shallow mineral filled polypropylene cone;
 fatigue resistant foam surround;
 shielded vented magnet system with huge Neodymium magnet;
 long-throw symmetrically driving motor structure;
 extreme power handling voice coil with Ø100 mm black anodized aluminum former;
 high density aluminum die-cast frame;
 flat linear spider with decompressed rear volume.

D10.8 is a break-through of traditional electroacoustic design. It was awarded the Gold Medal of the Fifth Asian Pacific International Exhibition held in Beijing in 1994.

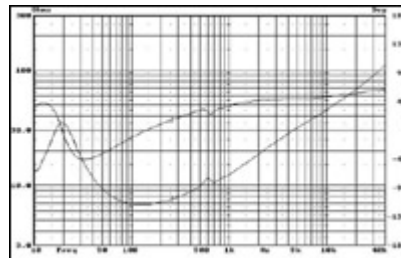
D10.8 represents a design where the voice coil is positioned over an undercut central pole piece with a large thermally stabilized Neodymium magnet at the bottom and high energy ceramic magnet on the top. A specially shaped, CNC machined steel cup completes the magnetic structure from the outside, creating 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, effective and uniform cooling of a high temperature rated voice coil provides a dramatic increase of power handling.

D10.8 is excellent as a woofer for "no compromise" audiophile quality speaker systems and control monitors. It also can be used as a subwoofer in various configurations.

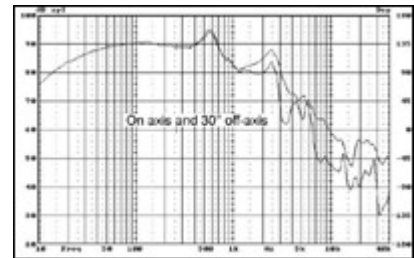
Products Graph:



Mechanical Drawing (Magnify)



Impedance (Magnify)



Frequency Response (Magnify)

More picture

Woofer D series:

D10.8 Hi-end Woofer

Nominal Impedance (Z)(O) :	8
Resonance Frequency (Fs)(Hz) :	20
Nominal Power Handling (Pnom)(W) :	150
Max Power Handling(Pmax)(W) :	300
Sensitivity (2.83v/1m)(dB) :	87
Weight (M)(Kg) :	4.0



VC Diameter (mm) :	100
DC (Re)(O) :	6.5
VC Length (H)(mm) :	23.5
VC Former :	CCAW
VC Frame :	Kapton
Magnet System :	Shielded
Magnet Former :	Neodymium
Force Factor (BL)(TM) :	11.2
Gap Height (He)(mm) :	7.0
Linear Excursion (Xmax)(mm) :	8.3
Suspension Compliance (Cms)(uM/N) :	864
Mechanical Q (Qms) :	2.11
Electrical Q (Qes) :	0.49
Total Q (Qts) :	0.40
Moving Mass (Mms)(g) :	74.2
Effective Piston Area (Sd)(m2) :	0.0434
Equivalent Air Volume (Vas)(L) :	211.2
Cabinet Type :	Sealed
Recommended Box Volume(Vb)(L) :	80
-3dB Cut-Off Frequency(F3)(Hz) :	35