



You can hear the difference!

Speaker Systems	Drivers	Kits	Multimedia	Company	Support	Purchase
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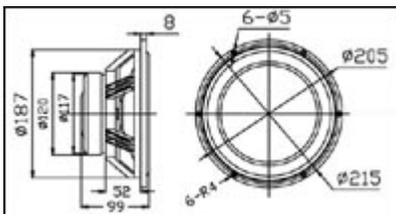
M8a Bass-Midrange

- Extremely rigid Aluminum/Magnesium cone;
- Specially made high loss rubber surround;
- High power handling Kapton® voice coil former;
- Air transparent spider;
- High density aluminum die-cast basket;
- Symmetric Motor Drive (SMD) technology;

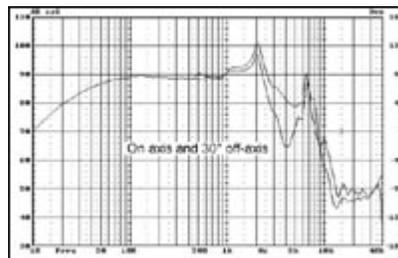
The design of the M8a has been optimized for an extended and dynamic bass reproduction in small vented systems. Clarity and accuracy is remarkable. The M8a utilizes our unique one-piece aluminum/magnesium composite cone. The cone's superior rigidity provides for dynamic and accurate reproduction of transient attacks. This contributes to a more naturally dynamic sound and superior definition and articulation in the mid-bass region. The high temperature voice coil former and SV wire, air transparent spider and venting of the coil allow for good power handling. Using Finite Element Analysis simulation, we optimized the complete magnet structure and specifically shaped the pole piece to achieve symmetric flux distribution along the travel path of the voice coil. This design approach provides better driving force linearity. It considerably reduces voice coil inductance modulation and DC offset of the moving system at high power levels. The result is much less distortion and more effective voice coil cooling.

The massive aluminum die-cast basket has been developed to minimize parasitic structural resonances. The M8a provides excellent quality bass definition with good extension (40 Hz). It can be used to good effect in a medium sized two-way system or as a woofer in a three-way system. Incorporated into the Diva line of loudspeakers manufactured by Swans the M8a earned the Exceptional Value Award at The Home Entertainment Show 2000. Recommended crossover frequency region for a two-way system design is 1-2 kHz.

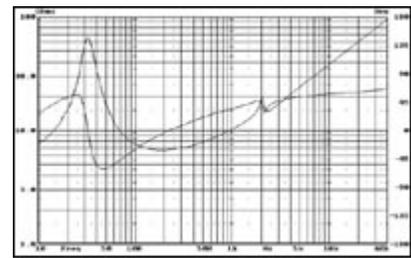
Products Graph:



Mechanical Drawing (Magnify)



Frequency Response (Magnify)



Impedance (Magnify)

[More picture](#)

Woofer M series:

M8a Bass-Midrange

Nominal Impedance (Z)(O) :	8
Resonance Frequency (Fs)(Hz) :	33
Nominal Power Handling (Pnom)(W) :	80
Max Power Handling (Pmax)(W) :	160
Sensitivity (2.83v/1m)(dB) :	88
Weight (M)(Kg) :	2.5
VC Diameter (mm) :	35



DC (Re)(O) :	6.5
VC Length (H)(mm) :	17.5
VC Former :	SV
VC Frame :	Kapton
Magnet System :	Outside
Magnet Former :	Ferrite
Force Factor (BL)(TM) :	10.5
Gap Height (He)(mm) :	6.0
Linear Excursion (Xmax)(mm) :	5.8
Suspension Compliance (Cms)(uM/N) :	605
Mechanical Q (Qms) :	4.59
Electrical Q (Qes) :	0.49
Total Q (Qts) :	0.44
Moving Mass (Mms)(g) :	38.1
Effective Piston Area (Sd)(m2) :	0.0214
Equivalent Air Volume (Vas)(L) :	42.3
Cabinet Type :	Vented
Recommended Box Volume(Vb)(L) :	28
Tuning Frequency(Fb)(Hz) :	35
-3dB Cut-Off Frequency(F3)(Hz) :	36