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M6a Bass-Midrange

In 1999, Swans manufactured M5N woofer with original and beautiful appearance, which is suitable for digital audio and sound signal linear loudspeaker system, which is dynamic and with low distortion. This design has laid another landmark of Swans loudspeaker.

-Advanced alloy (magnesium/aluminum) cone, coated with special damping material

-Optimum recovery CONEX supporting system, having good rigidity and dynamic stability, improving the sonic features of the driver.

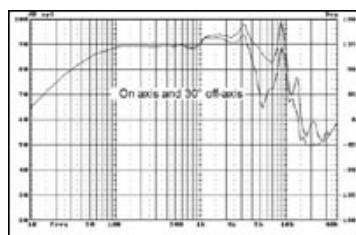
-High power handling, heat-resistant Kapton? Voice coil former and heat-resistant SV voice coil wire. -Shielded magnetic system with long-throw linear excursion design.

-Finite Element Analysis for high density aluminum frame, prevents the parasitic structural resonances;

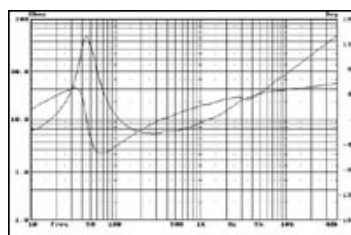
-Using leading technology of Small/Thiele parameters in cabinet design.

M6a can be used as a bass or midrange in a two-way bookshelf speaker system; or used as a main speaker, center channel speaker, surround speaker, or subwoofer in a home theatre system; it can also be used in multimedia speaker systems.

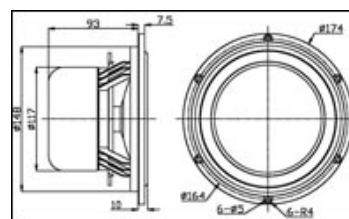
Products Graph:



Frequency Response
(Magnify)



Impedance
(Magnify)



Mechanical Drawing
(Magnify)



Bottom View
(Magnify)



Top View
(Magnify)



Part View
(Magnify)

More picture

Woofer M series:

M6a Bass-Midrange

Nominal Impedance (Z)(Ω) : 8

Resonance Frequency (Fs)(Hz) : 46

Nominal Power Handling (Pnom)(W) : 45

Max Power Handling (Pmax)(W) : 90

Sensitivity (2.83v/1m)(dB) : 88



Weight (M)(Kg) :	2.0
VC Diameter (mm) :	25
DC (Re)(Ω) :	6.5
VC Length (H)(mm) :	14.5
VC Former :	SV
VC Frame :	Kapton
Magnet System :	Shielded
Magnet Former :	Ferrite
Force Factor (BL)(N/A) :	7.8
Gap Height (He)(mm) :	6.0
Linear Excursion (Xmax)(mm) :	4.3
Suspension Compliance (Cms)(μ M/N) :	874
Mechanical Q (Qms) :	3.94
Electrical Q (Qes) :	0.42
Total Q (Qts) :	0.38
Moving Mass (Mms)(g) :	13.6
Effective Piston Area (Sd)(m ²) :	0.0139
Equivalent Air Volume (Vas)(L) :	21.9
Cabinet Type :	Vented
Recommended Box Volume(Vb)(L) :	14
Tuning Frequency(Fb)(Hz) :	48
-3dB Cut-Off Frequency(F3)(Hz) :	47

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