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## M5N Bass-Midrange

Incorporated into the Diva line of loudspeakers manufactured by Swans the M5N earned the Exceptional Value Award at The Home Entertainment Show 2000.

Advanced alloy (magnesium/aluminum) cone, coated with special damping material, having good rigidity and dynamic stability, improving the sonical features of the driver; High power handling, heat-resistant Kapton<sup>®</sup> voice coil former and heat-resistant SV voice coil wire; Finite Element Analysis for shielded magnetic system with long-throw linear excursion design; Hi-Vi Symmetric Motor Drive (SMD) technology makes the voice coil into a symmetrical driving magnetic field, - thus acquiring symmetrical driving force, reducing voice coil inductance and back

electromotive force modulation, improving the controllability of the speakers; Low distortion degree; Finite Element Analysis for flat & rigid iron frame, prevent the parasitic structural resonances; Using leading technology of Small/Thiele parameters in cabinet design; M5N 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. Advanced alloy (magnesium/aluminum) cone, coated with special damping material, having good rigidity and dynamic stability, improving the sonical features of the driver;

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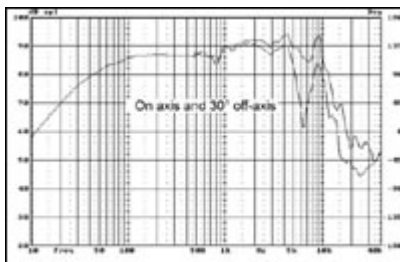
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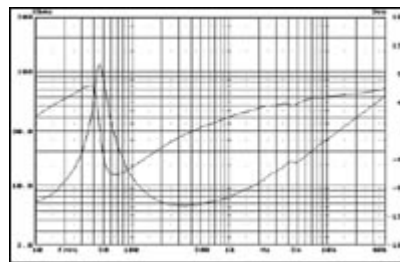
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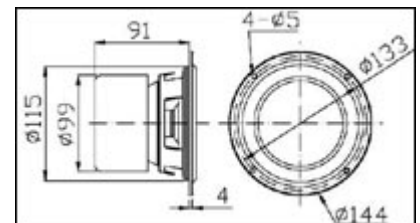
Products Graph:



Frequency Response  
(Magnify)



Impedance  
(Magnify)



Mechanical Drawing  
(Magnify)



Bottom View  
(Magnify)



Top View  
(Magnify)



Part View  
(Magnify)

[More picture](#)

Woofer M series:



### M5N Bass-Midrange

Nominal Impedance (Z)(Ω) :	8
Resonance Frequency (Fs)(Hz) :	47
Nominal Power Handling (Pnom)(W) :	35
Max Power Handling (Pmax)(W) :	70
Sensitivity (2.83v/1m)(dB) :	87
Weight (M)(Kg) :	1.5
VC Diameter (mm) :	25
DC (Re)(Ω) :	6.5
VC Length (H)(mm) :	10.4
VC Former :	SV
VC Frame :	Kapton
Magnet System :	Shielde
Magnet Former :	Ferrite
Force Factor (BL)(TM) :	7.5
Gap Height (He)(mm) :	5.0
Linear Excursion (Xmax)(mm) :	2.7
Suspension Compliance (Cms)(uM/N) :	1051
Mechanical Q (Qms) :	6.51
Electrical Q (Qes) :	0.37
Total Q (Qts) :	0.35
Moving Mass (Mms)(g) :	10.7
Effective Piston Area (Sd)(m2) :	0.0087
Equivalent Air Volume (Vas)(L) :	11.3
Cabinet Type :	Vented
Recommended Box Volume(Vb)(L) :	10
Tuning Frequency(Fb)(Hz) :	50
-3dB Cut-Off Frequency(F3)(Hz) :	48

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