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® 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; High power handling, heat-resistant Kapton® 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.

Products Graph:
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 (2.83v1m)(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 : Shielded
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