

M3N

M3N Full-Frequency



Overview

- A full frequency design
- Advanced alloy (magnesium/aluminum) cone, coated with special damping material
- Optimum recovery CONEX supporting system, having very good stiffness and dynamic stability, improving the acoustic features of the speakers.
- High power handling, heat-resistant Kapton? Voice coil former and heat-resistant CCAW voice coil wire,
- Finite Element Analysis for shielded magnetic system with long-throw linear excursion design, dynamic and low distortion.
- Finite Element Analysis for high rigid SPCC frame, prevents the parasitic structural resonances
- Using leading technology of Small/Thiele parameters
- Suitable for midrange, surround speakers in a home theatre system, and also suitable for computer multimedia speakers

Specifications

General Data	
Nominal Power Handling (Pnom)(W)	15
Max Power Handling (Pmax)(W)	30
Sensitivity (2.83v/1m)(dB)	82
Weight (M)(Kg)	0.55
Electrical Data	
Nominal Impedance (Z)(Ω)	8
DC (Re)(Ω)	6.5
Voice Coil and Magnet Parameters	
VC Diameter (mm)	20
VC Length (H)(mm)	9
VC Former	CCA W
VC Frame	Kapton
Magnet System	Shielded
Magnet Former	Ferrite
Force Factor (BL)(N/A)	3
Gap Height (He)(mm)	3
Linear Excursion (Xmax)(mm)	3
T-S Parameters	
Suspension Compliance (Cms)(uMN)	820
Mechanical Q (Qms)	4.2
Electrical Q (Qes)	1.2
Total Q (Qts)	0.92
Moving Mass (Mms)(g)	2.6
Effective Piston Area (Sd)(m2)	0.003
Equivalent Air Volume (Vas)(L)	1.5
Resonance Frequency (Fs)(Hz)	100



