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B3S

B3S Full-Frequency



Overview

- A full frequency design -Advanced alloy (magnesium/aluminum) cone, coated with special damping material, and anodized.
- Optimum recovery CONEX supporting system, having very good stiffness and dynamic stability, improving the sonic 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
- Hi-Vi Symmetric Motor Drive (SMD) technology makes the voice coil into a symmetrical driving magnetic field, thus acquiring symmetrical driving force, reducing the mutual modulation of voice coil inductance and back electromotive force, improving the controllability of the speakers, achieving low distortion degree
- Finite Element Analysis for flat & rigid iron frame, prevents the parasitic structural resonances, and improves the

linear array of sound source -Using leading technology of Small/Thiele parameters

-Suitable for midrange, surround speakers a in 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)	0.53

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	Kapton
VC Frame	CCAW
Magnet System	shielded
Magnet Former	Ferrite
Force Factor (BL)(N/A)	3.06
Gap Height (He)(mm)	3
Linear Excursion (Xmax)(mm)	3

T-S Parameters

Suspension Compliance (Cms)(uM/N)	920
Mechanical Q (Qms)	3.75
Electrical Q (Qes)	1.15
Total Q (Qts)	0.88
Moving Mass (Mms)(g)	2.6
Effective Piston Area (Sd)(m2)	0.003
Equivalent Air Volume (Vas)(L)	1.19
Resonance Frequency (Fs)(Hz)	100

Pictures of B3S

