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B1S

B1S Full-Frequency



Overview

Take the design to the small caliber full frequency of the multimedia speaker specially. Advanced alloy (magnesium/aluminum) cone, coated with special damping material, and anodized. Foam supporting system structure without spider, lower the low frequency response of the small caliber loudspeaker effectively. High power handling, heat-resistant Kapton? Voice coil former and heat-resistant CCAW voice coil wire Finite Element Analysis for extremely rigid and uniform ABS supporting configuration, improving the linear array of sound source. Advanced optimize Small/Thiele parameters technology. Suitable for computer multimedia speakers with single or multiple units.

Specifications

General Data

Nominal Power Handling (Pnom)(W)	1
Max Power Handling (Pmax)(W)	2
Sensitivity (2.83v/1m)(dB)	79
Weight (M)(Kg)	0.03

Electrical Data

Nominal Impedance (Z)(Ω)	8
DC (Re)(Ω)	6.5

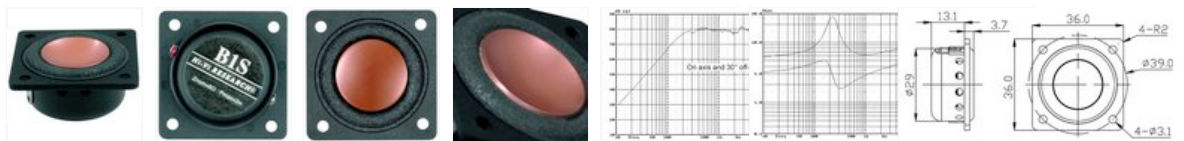
Voice Coil and Magnet Parameters

VC Diameter (mm)	19
VC Length (H)(mm)	3.4
VC Former	CCA W
VC Frame	Kapton
Magnet System	Shielded
Magnet Former	Neodymium
Force Factor (BL)(N/A)	2.3
Gap Height (He)(mm)	1.5
Linear Excursion (Xmax)(mm)	0.95

T-S Parameters

Suspension Compliance (Cms)(uM/N)	626
Mechanical Q (Qms)	3.9
Electrical Q (Qes)	0.814
Total Q (Qts)	0.674
Moving Mass (Mms)(g)	0.56
Effective Piston Area (Sd)(m2)	0.0005
Equivalent Air Volume (Vas)(L)	0.04
Resonance Frequency (Fs)(Hz)	270

Pictures of B1S



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