MB8N251

MID - BASS



Description

The MB8N251 is a 8” neodymium mid-bass driver with an excellent linearity, good efficiency and high power handling capabilities. The 2,5” aluminium voice coil combined with a high strength fibreglass former allows high efficiency and good
frequency response extension. Aluminium basket and magnetic assembly design provide an excellent heat
dissipation and very low power compression. The M-roll surround shape combined to spider design offer good linear displacement and precise low frequency reproduction.

Features

› 2.5-inch , fibreglass former, aluminum voice coil
› 600 Watt continuous program power handling
› 96 dB Sensitivity
› 60 Hz - 3.5kHz Frequency range
› Forced air ventilation
› M-roll surround and exponential cone geometry

Part Number

11100061	MB8N251	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	8 inch / 203 mm
	Rated Impedance	8 ohm
	Program Power (watt)	600 W
	Power handling capacity	300 W
	Sensitivity	96.0 dB
	Frequency range	60 - 3500 Hz
	Effective piston diameter	165 mm / 6.5 inch
	Max. Excursion Before Damage	40 mm / 1.57 inch
	Minimum Impedance (ohm)	6.0 ohm
	Voice Coil Diameter	2.5 inch / 63 mm
	Voice Coil Winding Material	Aluminum
	Voice Coil Length	14 mm / 0.55 inch
	Number of layers	1
	Kind of layers	outside
	Top Plate Thickness	9 mm / 0.35 inch
	Cone Design	Curved
	Surround Material	Polycotton
	Surround Design	M-roll
	Magnets	Neodymium
	Dual-force air ventilation	Yes
	Spider	Single
Thiele - small parameters	Resonance frequency (Fs)	68 Hz
	DC resistance (Re) (ohm)	5.10 ohm
	Mechanical factor	4.60 Qms
	Electrical factor	0.26 Qes
	Total factor	0.25 Qts
	Bl factor (Bl) (T x m)	15.20 T x m
	Effective moving mass (Mms)	27.0 g
	Equivalent Cas air loaded (Vas)	13.0 liters
	Effective piston area (Sd)	0.020 m2
	Max. linear excursion (Xmax)	5 mm
	Voice coil inductance @ 1kHz (Le1k)	1.30 mH
	Half-space efficency (Eff)	1.70%
Mounting information	Overall diameter	239 mm / 9.41 inches
	Bolt circle diameter	221-227 mm / 8.7-8.94 inch
	Bolt hole diameter	7 mm / 0.28 inch
	Front mount baffle cut-out	185 mm / 7.28 inch
	Rear mount baffle cut-out	185 mm / 7.28 inch
	Volume occupied by the driver	0.6 liters / 0.02 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	102 mm / 4.02 inches
	Diameter	208 mm / 8.19 inches
	Weight	2.01 kg / 4.43 lbs

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Line Art 2D

