MB10N251

MID - BASS



Description

The MB10N251 is a 10” 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
› 97 dB Sensitivity
› 50 Hz - 3.5kHz Frequency range
› Forced air ventilation
› M-roll surround and exponential cone geometry

Part Number

11100064	MB10N251	8ohm	Black

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	10 inch / 254 mm
	Rated Impedance	8 ohm
	Program Power (watt)	600 W
	Power handling capacity	300 W
	Sensitivity	97.0 dB
	Frequency range	50 - 3500 Hz
	Effective piston diameter	210 mm / 8.27 inch
	Max. Excursion Before Damage	40 mm / 1.57 inch
	Minimum Impedance (ohm)	6.4 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)	55 Hz
	DC resistance (Re) (ohm)	5.10 ohm
	Mechanical factor	4.20 Qms
	Electrical factor	0.29 Qes
	Total factor	0.27 Qts
	Bl factor (Bl) (T x m)	15.20 T x m
	Effective moving mass (Mms)	36.0 g
	Equivalent Cas air loaded (Vas)	39.0 liters
	Effective piston area (Sd)	0.040 m2
	Max. linear excursion (Xmax)	5 mm
	Voice coil inductance @ 1kHz (Le1k)	1.30 mH
	Half-space efficency (Eff)	2.20%
Mounting information	Overall diameter	260 mm / 10.24 inches
	Bolt circle diameter	241-246 mm / 9.49-9.69 inch
	Bolt hole diameter	6 mm / 0.24 inch
	Front mount baffle cut-out	234 mm / 9.21 inch
	Rear mount baffle cut-out	234 mm / 9.21 inch
	Volume occupied by the driver	1.2 liters / 0.05 ft3
Standard compliance	Safety agency	CE compliant
Physical specifications	Color	Black

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Size / Weight	Height	123 mm / 4.84 inches
	Diameter	260 mm / 10.24 inches
	Weight	2.5 kg / 5.51 lbs

Line Art 2D

