



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	01	
	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 m ²	
Max. linear excursion (Xmax)		5 mm	
Voice coil inductance @ 1kHz (Le1k)		1.30 mH	
Half-space efficiency (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 ft ³		
Standard compliance	Safety agency	CE compliant	
Physical specifications	Color	Black	
	Size	Height	123 mm / 4.84 inches
		Diameter	260 mm / 10.24 inches
		Weight	2.5 kg / 5.51 lbs



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Line Art 2D

