

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



TECHNICAL SPECIFICATIONS

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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:	Aluminium
	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 informations	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	CE marking:	Yes

DATASHEET



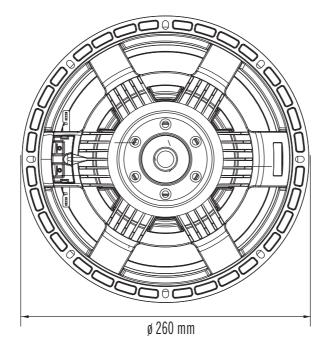
Size	Height: Diameter: Weight:	123 mm / 4.84 inches 260 mm / 10.24 inches 2.5 kg / 5.51 lbs
Shipping informations	Package Height: Package Width: Package Depth: Package Weight:	180 mm / 7.09 inches 290 mm / 11.42 inches 290 mm / 11.42 inches 3 kg / 6.61 lbs

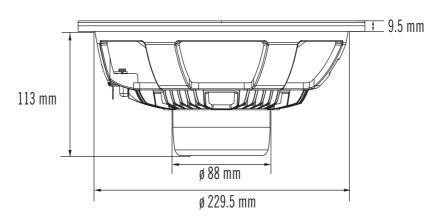
PART NUMBER

11100064 MB10N251

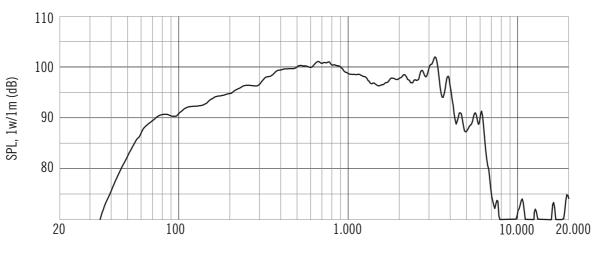
80hm



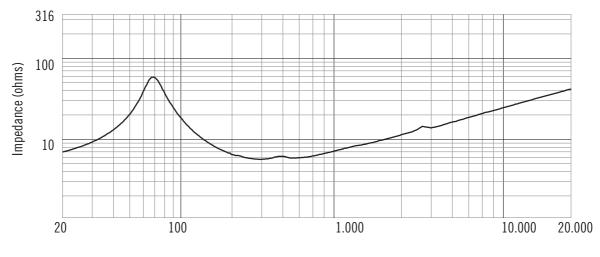








Frequency (Hz)



Frequency (Hz)