

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

General specifications	Nominal Diameter:	10 inch / 254 mm
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Rated Impedance: 8 ohm
Program Power (watt): 600 W
Power handling capacity: 300 W
Sensitivity: 97 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 ohm

Voice Coil Diameter: 2.5 inch / 63 mm
Voice Coil Material: Aluminium

Voice Coil Winding Material: 14 mm / 0.55 inch

Number of layers:

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):

Mechanical factor: 4.20 Qms Electrical factor: 0.29 Qes Total factor: 0.27 Qts BI factor (BI) (T x m): 15.20 T x m Effective moving mass (Mms): 36 gr 39 liters Equivalent Cas air loaded (Vas): Effettive piston area (Sd): 0.04 m2 Max. linear excursion (Xmax): 5 mm Voice coil inductance @ 1kHz (Le1k): 1.30 mH

Mounting informations Overall diameter: 260 mm / 10.24 inches

Half-space efficency (Eff):

Bolt circle diameter: 241-246 mm / 9.49-9.69 inch

5.10 ohm

2.20%

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

Physical specificationsColor:Black

DATASHEET



 Size
 Height:
 123 mm / 4.84 inches

 Diameter:
 260 mm / 10.24 inches

Weight: 2.5 kg / 5.51 lbs

Shipping informations Package Height: 180 mm / 7.09 inches

Package Width: 290 mm / 11.42 inches
Package Depth: 290 mm / 11.42 inches

Package Weight: 3 kg / 6.61 lbs

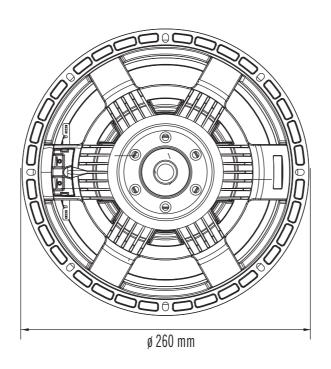
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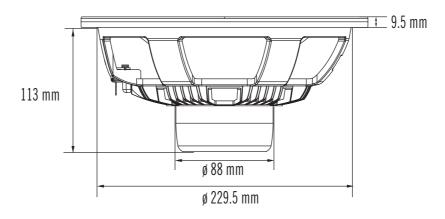
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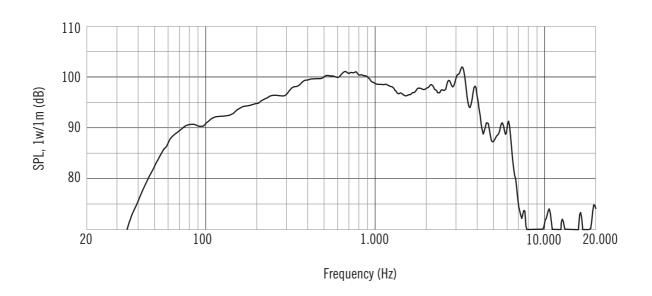
MB10N251

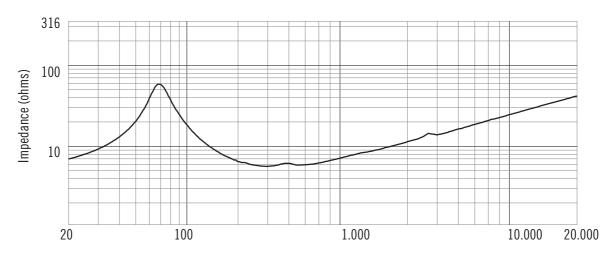
8ohm











Frequency (Hz)