

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

TECHNICAL SPECIFICATIONS

General specifications

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|-------------------------------|-------------------|
| 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: | 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

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|--------------------------------------|----------------------|
| 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 |
| Effettive piston area (Sd): | 0.020 m ² |
| Max. linear excursion (Xmax): | 5.0 mm |
| Voice coil inductance @ 1kHz (Le1k): | 1.30 mH |
| Half-space efficiency (Eff): | 1.70% |

Mounting informations

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|--------------------------------|-----------------------------------|
| 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 ft ³ |

Standard compliance

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| CE marking: | Yes |
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| Size | Height: | 102 mm / 4.02 inches |
| | Diameter: | 208 mm / 8.19 inches |
| | Weight: | 2.01 kg / 4.43 lbs |

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|------------------------------|-----------------|----------------------|
| Shipping informations | Package Height: | 125 mm / 4.92 inches |
| | Package Width: | 235 mm / 9.25 inches |
| | Package Depth: | 220 mm / 8.66 inches |
| | Package Weight: | 2.47 kg / 5.45 lbs |

PART NUMBER

- **11100061**
MB8N251
8ohm



