

# MB10G251

MID - BASS

## DESCRIPTION

The MB10G251 is designed to provide an excellent frequency response linearity with very low distortion. A strong magnetic structure guarantee dynamic and precision. M-roll surround and spider design offer great linearity and precise reproduction.



## FEATURES

- 2.5-inch , fibreglass former, aluminum voice coil
- 600 Watt continuous program power handling
- 98.5 dB Sensitivity
- 55 Hz - 3.0kHz Frequency range
- M-roll surround and exponential cone geometry

## 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:	98 dB
Frequency range:	55 - 3000 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:	18 mm / 0.71 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	8 mm / 0.31 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	M-roll
Magnets:	Ceramic
Spider:	Single

### Thiele - small parameters

Resonance frequency (Fs):	76 Hz
DC resistance (Re) (ohm):	5.20 ohm
Mechanical factor:	8.00 Qms
Electrical factor:	0.35 Qes
Total factor:	0.34 Qts
Bl factor (Bl) (T x m):	14.90 T x m
Effective moving mass (Mms):	33 gr
Equivalent Cas air loaded (Vas):	24 liters
Effettive piston area (Sd):	0.04 m2
Max. linear excursion (Xmax):	7 mm
Voice coil inductance @ 1kHz (Le1k):	0.50 mH
Half-space efficiency (Eff):	2.71%

### 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:	232 mm / 9.13 inch
Rear mount baffle cut-out:	232 mm / 9.13 inch
Volume occupied by the driver:	1.2 liters / 0.05 ft3

### Standard compliance

CE marking:	Yes
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### Physical specifications

Color:	Black
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<b>Size</b>	Height:	123 mm / 4.84 inches
	Diameter:	260 mm / 10.24 inches
	Weight:	5 kg / 11.02 lbs

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<b>Shipping informations</b>	Package Height:	180 mm / 7.09 inches
	Package Width:	290 mm / 11.42 inches
	Package Depth:	290 mm / 11.42 inches
	Package Weight:	5.5 kg / 12.13 lbs

## **PART NUMBER**

- **11100110**  
MB10G251  
8ohm



