

MB12G301

MID-BASS

DESCRIPTION

High efficiency 12" mid-bass.
Very high sensitivity, excellent linearity and very low distortion. Voice coil construction, suspensions and cone materials designed to survive at 400 Watt RMS power.



FEATURES

- 3-inch, fiberglass inside/outside copper voice coil
- 800W continuous program power handling
- 98 dB Sensitivity
- 50 Hz - 3 kHz Frequency range
- M-roll surround and exponential cone geometry

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	12 inch / 305 mm
Rated Impedance:	8 ohm
Program Power (watt):	800 W
Power handling capacity:	400 W
Sensitivity:	98.0 dB
Frequency range:	50 - 3000 Hz
Effective piston diameter:	260 mm / 10.24 inch
Max. Excursion Before Damage:	38 mm / 1.5 inch
Minimum Impedance (ohm):	7.2 ohm
Voice Coil Diameter:	3.0 inch / 76 mm
Voice Coil Winding Material:	Aluminium
Voice Coil Length:	16 mm / 0.63 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	4 mm / 0.16 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	M-roll
Magnets:	Ceramic
Spider:	Single

Thiele - small parameters

Resonance frequency (Fs):	53 Hz
DC resistance (Re) (ohm):	5.40 ohm
Mechanical factor:	4.70 Qms
Electrical factor:	0.28 Qes
Total factor:	0.27 Qts
Bl factor (Bl) (T x m):	17.00 T x m
Effective moving mass (Mms):	48.0 g
Equivalent Cas air loaded (Vas):	72.0 liters
Effective piston area (Sd):	0.050 m ²
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	0.70 mH
Half-space efficiency (Eff):	3.69%

Mounting informations

Overall diameter:	320 mm / 12.6 inches
Bolt circle diameter:	294-304 mm / 11.57-11.97 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	282 mm / 11.1 inch
Rear mount baffle cut-out:	284 mm / 11.18 inch
Volume occupied by the driver:	2.6 liters / 0.1 ft ³

Standard compliance

CE marking:	Yes
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Size

Height:	146 mm / 5.75 inches
Diameter:	320 mm / 12.6 inches
Weight:	7 kg / 15.43 lbs

**Shipping informations**

Package Height:	210 mm / 8.27 inches
Package Width:	360 mm / 14.17 inches
Package Depth:	360 mm / 14.17 inches
Package Weight:	8 kg / 17.64 lbs

PART NUMBER

- **11100017**
MB12G301
8ohm



