

# **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 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 ohm
	Voice Coil Diameter:	3.0 inch / 76 mm
	Voice Coil Material:	Aluminium
	Voice Coil Winding Material:	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
	BI factor (BI) (T x m):	17.00 T x m
	Effective moving mass (Mms):	48 gr
	Equivalent Cas air loaded (Vas):	72 liters
	Effettive piston area (Sd):	0.05 m2
	Max. linear excursion (Xmax):	6 mm
	Voice coil inductance @ 1kHz (Le1k):	0.70 mH
	Half-space efficency (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
		2.6 liters / 0.1 ft3
	Volume occupied by the driver:	2.0 iiters / 0.1 its
Standard compliance	CE marking:	Yes

## DATASHEET



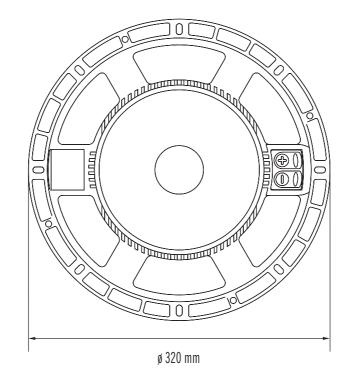
#### Size Height: 146 mm / 5.75 inches Diameter: 320 mm / 12.6 inches 7 kg / 15.43 lbs Weight: **Shipping informations** Package Height: 210 mm / 8.27 inches Package Width: 360 mm / 14.17 inches Package Depth: 360 mm / 14.17 inches Package Weight: 8 kg / 17.64 lbs

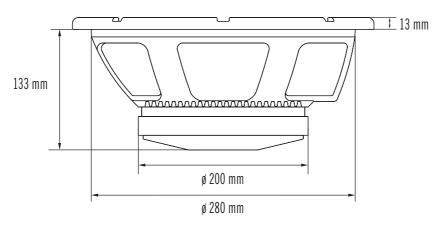
## PART NUMBER

## • 11100017

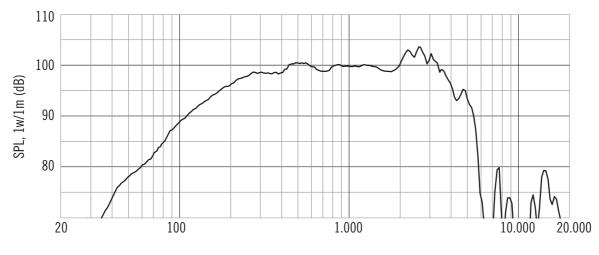
MB12G301 8ohm



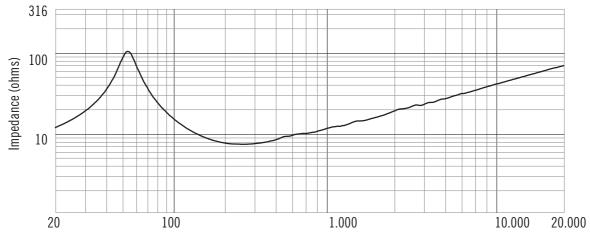








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Frequency (Hz)
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Frequency (Hz)