



MB12N351

MID - BASS



Description	The MB12N351 is designed to provide an excellent frequency response linearity with very low distortion. A very strong neodymium magnetic structure guarantee dynamic and precision, a new and unique 3.5" voice coil design provides a very high power handling, especially recommended in comparison to a standard 3" voice coil. The unique Dual-forced air venting system guarantee a very efficient voice coil ventilation to minimize the power compression and provide higher power handling.
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| Features | <ul style="list-style-type: none">› 3.5-inch, fiberglass inside/outside copper voice coil› 1300W continuous program power handling› 99 dB Sensitivity› 45 Hz – 3 kHz Frequency range› Dual-forced air ventilation for minimum power compression› Single spider design with silicon based damping control |
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Part Number	11100026 MB12N351 8ohm
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TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter	12 inch / 305 mm
Rated Impedance	8 ohm
Program Power (watt)	1300 W
Power handling capacity	650 W
Sensitivity	99.0 dB
Frequency range	45 - 3000 Hz
Effective piston diameter	260 mm / 10.24 inch
Max. Excursion Before Damage	39 mm / 1.54 inch
Minimum Impedance (ohm)	7.0 ohm
Voice Coil Diameter	3.5 inch / 89 mm
Voice Coil Winding Material	Copper
Voice Coil Length	17 mm / 0.67 inch
Number of layers	2
Kind of layers	inside/outside
Top Plate Thickness	11 mm / 0.43 inch
Cone Design	Curved
Surround Material	Polycotton
Surround Design	M-roll
Magnets	Neodymium
Dual-force air ventilation	Yes
Spider	Single with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs)	55 Hz
DC resistance (Re) (ohm)	5.60 ohm
Mechanical factor	4.50 Qms
Electrical factor	0.21 Qes
Total factor	0.20 Qts
Bl factor (Bl) (T x m)	22.50 T x m
Effective moving mass (Mms)	54.0 g
Equivalent Cas air loaded (Vas)	61.0 liters
Effective piston area (Sd)	0.050 m ²
Max. linear excursion (Xmax)	6 mm
Voice coil inductance @ 1kHz (Le1k)	1.65 mH
Half-space efficiency (Eff)	4.66%

Mounting information

Overall diameter	320 mm / 12.6 inches
Bolt circle diameter	293-304 mm / 11.54-11.97 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	2.2 liters / 0.09 ft ³

Standard compliance

Safety agency	CE compliant
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Size / Weight	Height	151 mm / 5.94 inches
	Diameter	320 mm / 12.6 inches
	Weight	4.5 kg / 9.92 lbs



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Line Art 2D

