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.

Features

› 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

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 m2
	Max. linear excursion (Xmax)	6 mm
	Voice coil inductance @ 1kHz (Le1k)	1.65 mH
	Half-space efficency (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 ft3
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

