MB15N301

MID - BASS



Description

The MB15N301 is a neodymium, high efficiency, 15” mid-bass. High sensitivity, excellent linearity and very high power handling capabilities. The magnetic structure is powered by a large neodymium magnet that provides an extremely high flux density in the gap. The new hyper-vented aluminium basket and magnetic assembly design provide an excellent heat dissipation and lower power compression. Special air-forced ventilations are provided for voice coil, magnet assembly and basket. M-roll surround and spider design offer great linearity and precise reproduction.

Features

› 3.0-inch, fibreglass inside/outside copper voice coil
› 1000 Watt continuous program power handling
› 99 dB Sensitivity
› 40Hz –3.5KHz Frequency range
› Dual-forced air ventilation for minimum power compression
› Triple-roll surround and exponential cone geometry

Part Number

11100074 MB15N301 8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	15 inch / 381 mm
	Rated Impedance	8 ohm
	Program Power (watt)	1000 W
	Power handling capacity	500 W
	Sensitivity	99.0 dB
	Frequency range	40 - 3500 Hz
	Effective piston diameter	330 mm / 12.99 inch
	Max. Excursion Before Damage	40 mm / 1.57 inch
	Minimum Impedance (ohm)	6.8 ohm
	Voice Coil Diameter	3.0 inch / 76 mm
	Voice Coil Winding Material	Aluminum
	Voice Coil Length	17 mm / 0.67 inch
	Number of layers	2
	Kind of layers	inside/outside
	Top Plate Thickness	10 mm / 0.39 inch
	Cone Design	Curved
	Surround Material	Polycotton
	Surround Design	Curved
	Magnets	Neodymium
	Dual-force air ventilation	Yes
	Spider	Single
Thiele - small parameters	Resonance frequency (Fs)	48 Hz
	DC resistance (Re) (ohm)	5.80 ohm
	Mechanical factor	4.60 Qms
	Electrical factor	0.39 Qes
	Total factor	0.37 Qts
	Bl factor (Bl) (T x m)	19.20 T x m
	Effective moving mass (Mms)	90.0 g
	Equivalent Cas air loaded (Vas)	134.0 liters
	Effective piston area (Sd)	0.090 m2
	Max. linear excursion (Xmax)	6 mm
	Voice coil inductance @ 1kHz (Le1k)	0.90 mH
	Half-space efficency (Eff)	3.70%
Mounting information	Overall diameter	388 mm / 15.28 inches
	Bolt circle diameter	369-373 mm / 14.53-14.69 inch
	Bolt hole diameter	6 mm / 0.24 inch
	Front mount baffle cut-out	355 mm / 13.98 inch
	Rear mount baffle cut-out	358 mm / 14.09 inch
	Volume occupied by the driver	3 liters / 0.12 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	165 mm / 6.5 inches
	Diameter	388 mm / 15.28 inches
	Weight	3.7 kg / 8.16 lbs

Line Art 2D

