

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

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:	Aluminium
	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 m ²
	Max. linear excursion (Xmax):	6 mm
	Voice coil inductance @ 1kHz (Le1k):	0.90 mH
	Half-space efficiency (Eff):	3.70%
Mounting informations	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 ft ³
Size	Height:	165 mm / 6.5 inches
	Diameter:	388 mm / 15.28 inches
	Weight:	3.7 kg / 8.16 lbs

Shipping informations

Package Height:	209 mm / 8.23 inches
Package Width:	434 mm / 17.09 inches
Package Depth:	439 mm / 17.28 inches
Package Weight:	4.7 kg / 10.36 lbs

PART NUMBER

- **11100074**
MB15N301
8ohm



