

MB15N401

MID - BASS

DESCRIPTION

The MB15N401 is a neo midbass with a linear frequency response and very high efficiency. To get this performance the magnetic structure use a demodulation ring and a fibre loaded exponential cone assembly along with a high excursion triple roll, constant geometry surround. The fibreglass former, inside / outside copper voice coil provides a very good power handling maintaining a light mass and a proper Q factor for bass alignment. The demodulations ring guarantee a fastest time response and lowest distortion.



FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1700W continuous program power handling
- 100 dB Sensitivity
- 40 Hz – 2 kHz Frequency range

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1700 W
Power handling capacity:	850 W
Sensitivity:	100 dB
Frequency range:	40 - 2000 Hz
Effective piston diameter:	340 mm / 13.39 inch
Max. Excursion Before Damage:	40 mm / 1.57 inch
Minimum Impedance (ohm):	6 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	18 mm / 0.71 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	12 mm / 0.47 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	Triple roll
Magnets:	Neodymium
Dual-force air ventilation:	Yes
Spider:	Single

Thiele - small parameters

Resonance frequency (Fs):	42 Hz
DC resistance (Re) (ohm):	5.00 ohm
Mechanical factor:	7.70 Qms
Electrical factor:	0.20 Qes
Total factor:	0.19 Qts
Bl factor (Bl) (T x m):	26.10 T x m
Effective moving mass (Mms):	100 gr
Equivalent Cas air loaded (Vas):	136 liters
Effective piston area (Sd):	0.09 m ²
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	1.60 mH
Half-space efficiency (Eff):	4.86%

Mounting informations

Overall diameter:	393 mm / 15.47 inches
Bolt circle diameter:	371-376 mm / 14.61-14.8 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	354 mm / 13.94 inch
Rear mount baffle cut-out:	354 mm / 13.94 inch
Volume occupied by the driver:	3.8 liters / 0.15 ft ³

Standard compliance

CE marking:	Yes
-------------	-----

Size

Height:	161 mm / 6.34 inches
Diameter:	393 mm / 15.47 inches
Weight:	7.5 kg / 16.53 lbs

Shipping informations

Package Height:	225 mm / 8.86 inches
Package Width:	435 mm / 17.13 inches
Package Depth:	440 mm / 17.32 inches
Package Weight:	8.6 kg / 18.96 lbs

PART NUMBER**• 11100034**

MB15N401

8ohm



