



MR10N301

MIDRANGE



Description The MR10N301 is a high efficiency, high power midrange specially designed to provide superior sound pressure level in a very compact size. The total weight is reduced to less than half of a comparable ceramic midrange thanks to an incredibly powerful neodymium magnet assembly. The unique sealed basket design doesn't require a back sealing chamber, simplifying the cabinet design and improving heat dissipation. Every detail of this speaker has been optimized to offer the best response and perfect control to the midrange frequencies.

- Features**
- › 3-inch, finside/outside copper voice coil
 - › 600W continuous program power handling
 - › 102 dB Sensitivity in horn loaded application
 - › 150 Hz – 2 kHz Frequency range
 - › High BL neodymium design
 - › Unique aluminum sealed basket featuring vented fin heat dissipation design
 - › Calibrated back volume for a perfect time domain transient reproduction

Part Number 11100005 MR10N301 8ohm



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TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter	10 inch / 254 mm
Rated Impedance	8 ohm
Program Power (watt)	600 W
Power handling capacity	300 W
Sensitivity	102.0 dB
Frequency range	150 - 2000 Hz
Effective piston diameter	210 mm / 8.27 inch
Max. Excursion Before Damage	20 mm / 0.79 inch
Minimum Impedance (ohm)	9.0 ohm
Voice Coil Diameter	3.0 inch / 76 mm
Voice Coil Winding Material	Aluminum
Voice Coil Length	11 mm / 0.43 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	M-roll
Magnets	Neodymium
Spider	Single

Thiele - small parameters

Resonance frequency (Fs)	250 Hz
DC resistance (Re) (ohm)	6.20 ohm
Mechanical factor	6.48 Qms
Electrical factor	0.72 Qes
Total factor	0.65 Qts
Bl factor (Bl) (T x m)	20.70 T x m
Effective moving mass (Mms)	32.0 g
Equivalent Cas air loaded (Vas)	2.0 liters
Effective piston area (Sd)	0.040 m ²
Max. linear excursion (Xmax)	1 mm
Voice coil inductance @ 1kHz (Le1k)	1.17 mH
Half-space efficiency (Eff)	9.26%

Mounting information

Overall diameter	272 mm / 10.71 inches
Bolt circle diameter	244 mm / 9.61 inch
Bolt hole diameter	7 mm / 0.28 inch
Front mount baffle cut-out	235 mm / 9.25 inch
Rear mount baffle cut-out	232 mm / 9.13 inch
Volume occupied by the driver	5 liters / 0.2 ft ³

Standard compliance

Safety agency	CE compliant
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Size / Weight	Height	142 mm / 5.59 inches
	Diameter	272 mm / 10.71 inches
	Weight	4.5 kg / 9.92 lbs



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Line Art 2D

