MR8N301

MIDRANGE



Description

The MR8N301 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 chember, simplifying the cabinet design and improving heat dissipation. Every detail of this speaker has been optimazed to offer the best response and perfect control to the midrange frequencies.

Features

› 3-inch, finside/outside copper voice coil
› 400W continuous program power handling
› 107 dB Sensitivity in horn loaded application
› 300 Hz – 3 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

11100006	MR8N301	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	8 inch / 203 mm
	Rated Impedance	8 ohm
	Program Power (watt)	400 W
	Power handling capacity	200 W
	Sensitivity	102.0 dB
	Frequency range	300 - 3000 Hz
	Effective piston diameter	168 mm / 6.61 inch
	Max. Excursion Before Damage	15 mm / 0.59 inch
	Minimum Impedance (ohm)	9.8 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	8 mm / 0.31 inch
	Cone Design	Curved
	Surround Material	Polycotton
	Surround Design	Triple roll
	Magnets	Neodymium
	Spider	Single
Thiele - small parameters	Resonance frequency (Fs)	310 Hz
	DC resistance (Re) (ohm)	6.60 ohm
	Mechanical factor	3.45 Qms
	Electrical factor	0.41 Qes
	Total factor	0.37 Qts
	Bl factor (Bl) (T x m)	17.80 T x m
	Effective moving mass (Mms)	10.0 g
	Equivalent Cas air loaded (Vas)	2.0 liters
	Effective piston area (Sd)	0.020 m2
	Max. linear excursion (Xmax)	4 mm
	Voice coil inductance @ 1kHz (Le1k)	1.16 mH
	Half-space efficency (Eff)	12.80%
Mounting information	Overall diameter	238 mm / 9.37 inches
	Bolt circle diameter	220 mm / 8.66 inch
	Bolt hole diameter	7 mm / 0.28 inch
	Front mount baffle cut-out	202 mm / 7.95 inch
	Rear mount baffle cut-out	187 mm / 7.36 inch
	Volume occupied by the driver	2 liters / 0.08 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	111 mm / 4.37 inches
	Diameter	208 mm / 8.19 inches
	Weight	3.31 kg / 7.3 lbs

Line Art 2D

