

Ordering code: 101NPM-119

Neodymium Mid-bass Woofer

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
400 watts	96 dB	64 Hz	40 Hz - 4,500 Hz	2" 1out	CCAW edge	Paper w. GF/ Fabric	Neodymium



General Specifications

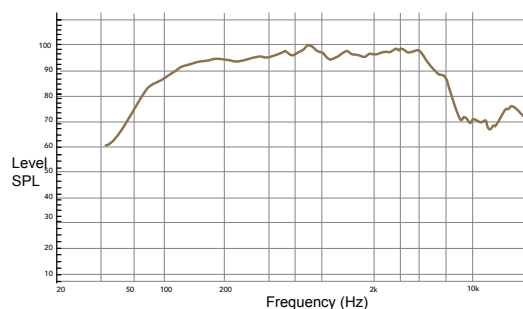
Nominal Diameter:	250 mm (10 in.)
Rated Impedance:	8 ohm
Power Handling:	
AES Power:	200 Watts
Power Compression @-10dB	0.6dB
Power Compression @-10dB	1.2dB
Power Compression @Max Power	2.2dB
Maximum Recommended Xover Freq.:	3,800 Hz
Recommended Enclosure Volume:	15 - 40 Liters
Cone Design:	Exp. Gmtry, Redcatt Cell.
Front Plate Thickness:	8 mm
Winding Height:	13 mm
Fs	64 Hz
Re	5.1 Ohm
Sd	363 cm ² (56.3 in. ²)
Qms	6.2
Qes	0.57
Qts	0.51
Vas	38 Liters
Mms	29.7 g
BL product (force factor)	9.4 Tm
Peak to peak displacement (mm)	8 mm
Le (mH @1kHz)	0.48
Overall diameter	261 mm (10.3 in.)
No. of mounting holes	8
Bolt circle diameter	245 mm (9.6 in.)
Front mount baffle cutout dia.	230mm (8.8 in.) Nominal
Rear mount baffle cutout diameter	232 mm (9.1 in.) Nominal
Total depth	164 mm (6.46 in.)
Flange and gasket thickness	10 mm (0.39 in.)
Net weight	1.9 kg (4.2 lbs.)
Shipping weight	2.8 kg (6.2 lbs.)
Packing Dimensions	330x330x160mm (13x13x6.3 in.)

The 101NPM is a high efficiency, (96 dB 1 watt / 1 meter) 10-inch mid-woofer with incredibly linear frequency response characteristics, high power handling capability, while generating ultra low harmonic distortion artifacts. The 101NPM uses a lightweight glass fiber loaded cone assembly along with a high excursion triple roll surround. This combination provides a lightweight, yet strong, piston, high efficiency and a peak to peak maximum excursion of 8mm (0.31in).

Magnetic Circuit

REDCATT engineers have developed a ultra lightweight, inside neodymium slug based magnetic circuit, capable of delivering the highest level of performance, providing a consistent, high integrity magnetic flux gap, ultra low distortion characteristic and high efficiency cooling system. The magnetic structure has integrated two aluminum shorting rings. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Frequency Response



Frequency response measurement with transducer mounted in a 15 liter vented enclosure tuned to 50Hz

Impedance Response

