



Key features:

- ULTRA LIGHTWEIGHT, DESIGNED FOR PORTABLE PRODUCTS
- HIGH EFFICIENCY, LOW HARMONIC DISTORTION
- CARBON FIBER LOADED PAPER CONE

Design notes:

The 101NPM is a high efficiency, (95 dB 1watt / 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 13.6.

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 alu-

minum shorting rings. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Specifications:

General specs

Nominal Diameter: 10"

Rated Impedance: 8 ohm

Power handling

AES Power: 150 watts

Program Power: 300 watts

Peak Power: 600 watts

Voice Coil

Diameter: 2 in.

Winding wire: CCAR

Former: Glass Fiber

Winding height: 14.5 mm

T/S Parameters

Resonant frequency: 53 Hz

Re: 5.0 ohm

Qes: 0.61

Qms: 5.51

Qts: 0.55

Vas: 49.7 liters

Sd: 363 cm²

Sensitivity: 95 dB

Mms: 32.6 grams

Bl: 9.6

Le: 0.53 mH

Design details

Surround Material: Fabric

Cone material: Paper

Spider: Nomex

Plate thickness: 8 mm

Peak to peak linear cone displacement: 13.6 mm

Overall diameter: 262 mm

Bolt circle diameter: 246 mm

Baffle cutout dia.: 230 mm

Number of mounting holes: 8

Depth (flange to rear): 111.5 mm

Net weight: 1.97kg

Ordering codes:

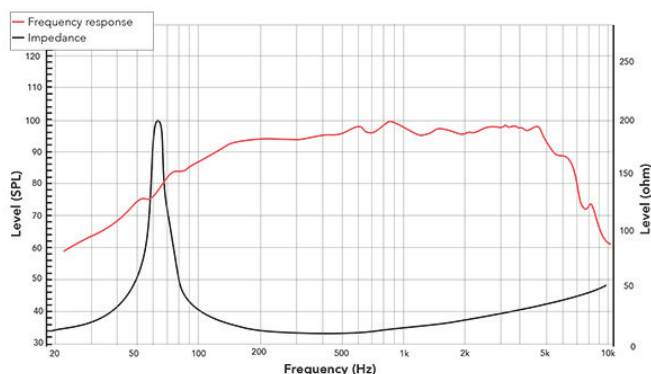
101NPM-X8 ohm-119

Recone kits:

RC101NPMX-119

In many cases REDCATT produces 4 ohms, 8 ohms and 16 ohms versions. Indicate what impedance do you need in your request.

Frequency response & Impedance



Frequency response measured on IAC baffle

2D drawing

