



**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, (96 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 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 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 ohm  
Qes: 0.61  
Qms: 5.51  
Qts: 0.55  
Vas: 49.7 liters  
Sd: 363 cm<sup>2</sup>  
Sensitivity: 94.56 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: 6.8 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

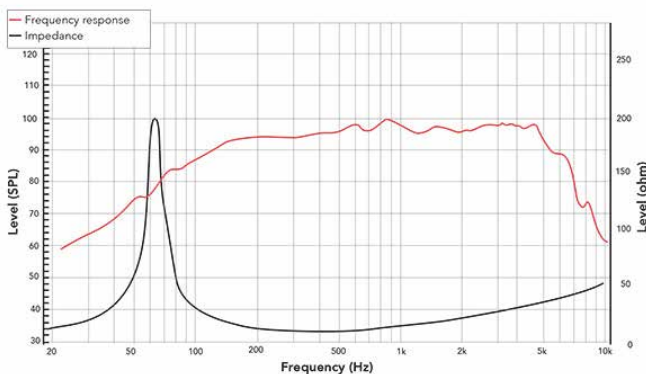
**Ordering codes:**

101NPMX8-119

**Recone kits:**

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**

