1" | 101NCD

Neodymium Compression Driver

REDCATT

Key features:

- IDEAL FOR COMPACT LINE-ARRAYS
- HIGH POWER HANDLING
- LOW DISTORTION, HIGH SPL

Design notes:

The 101NCD compact size compression driver is a very high performance, high frequency device ideal for compact professional loudspeaker systems. The driver neodymium based magnetic circuit provides precision control over Polyamide diaphragm assembly in very compact package. The unit delivers extended frequency response and high power handling throughout 1.0 inch exit throat. The diaphragm is carefully attached to a high temperature Nomex voice coil former that can withstand the long term power handling characteristic typically seen in professional audio applications. REDCATT uses state of the art adhesives in all assembly steps. Our voice coil to dome bonding is unique process, developed to greatly improve the power handling capabilities. REDCATT unique and precise adhesives dispensing, combined with our in-house developed dome treatments are further improving the long term reliability of this product.

Specifications:

General specs	
Nominal Diameter:	1"
Rated Impedance:	8 ohm

Power handling	
AES Power:	20 watts
Program Power:	40 watts
Peak Power:	80 watts

Voice Coil	
Diameter:	1 in.
Winding wire:	CCAW
Former:	kapton

T/S Parameters	
Resonant frequency:	1900 Hz
Nominal sensitivity	109 dB
Re:	4.6 ohm
Le:	n/a mH

Design details	
Dome Material:	Polymer
Surround material:	Polymer
Magnet material:	Neodymium
Overall diameter:	86 mm
Bolt circle diameter:	53 mm
Throat diameter:	25mm mm
Number of mounting holes:	2
Depth (front to rear):	37 mm
Net weight:	615g

Ordering codes:

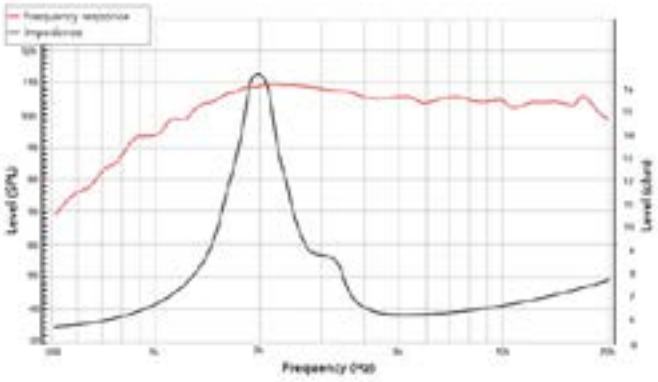
101NCDX-160

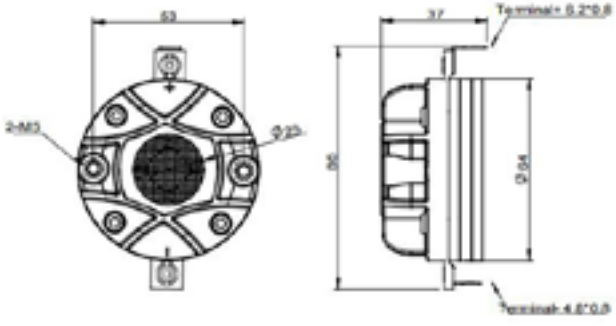
Recone kits:

RC101NCDX-160

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