1" | 140NCD

Neodymium Compression Driver

REDCATT

Key features:

- VERY HIGH PERFORMANCE AT SMALL SIZE
- 2-WAY AND MULTI-WAY SPEAKER SYSTEMS

Design notes:

The 140NCD is a high performance high frequency device ideal for professional loudspeaker systems. The unit delivers extended frequency response and high power handling through 1.3inch exit throat. The suspension has designed and FEM optimized venting features to lover the harmonic distortion. The venting holes also improves the control over the dome movements at low frequencies.

140NCD ultra compact design ensures the driver can be used in enclosure designs where the space is very limited, such as line array systems. Redcatt has focused on designing an optimized neodymium based magnetic circuit capable of delivering the highest level of performance and value. The neodymium circuit is optimized to generate the minimum amount of flux modulation providing exceptional stability.

Specifications:

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

Power handling	
AES Power:	30 watts
Program Power:	60 watts
Peak Power:	120 watts

Voice Coil	
Diameter:	1.4 in.
Winding wire:	CCAR
Former:	kapton

T/S Parameters	
Resonant frequency:	1200 Hz
Nominal sensitivity	109 dB
Re:	5.5 ohm
Le:	n/a mH

Design details	
Dome Material:	Polymer
Surround material:	Polymer
Magnet material:	Neodymium
Overall diameter:	95 mm
Bolt circle diameter:	76 mm
Throat diameter:	25mm mm
Number of mounting holes:	4
Depth (front to rear):	47.85 mm
Net weight:	538g

Ordering codes:

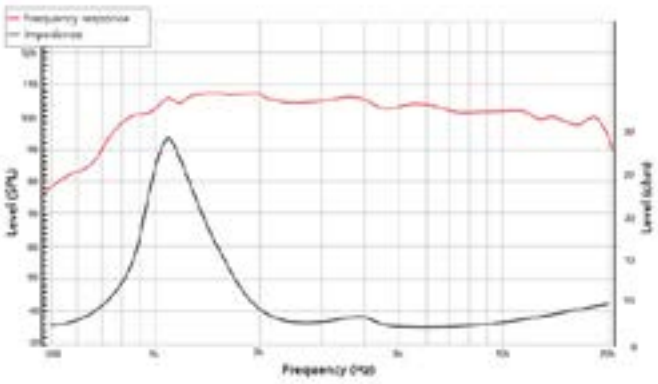
140NCDX-077

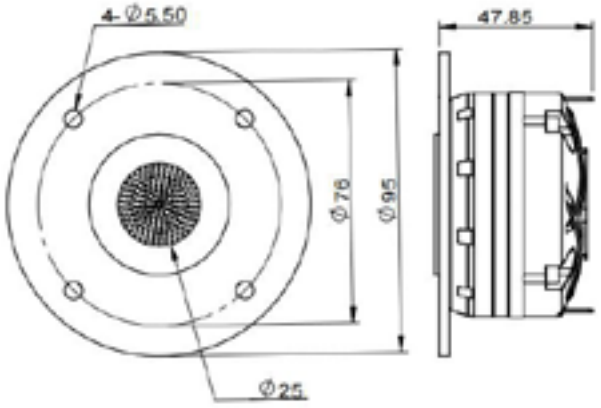
Recone kits:

RC140NCDX-077

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