



**Key features:**

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

**Design notes:**

The 140NCD compression driver is a high performance high frequency device ideal for professional loudspeaker systems. In a ultra compact size, the driver's neodymium based magnetic circuit provides a robust, high force BL field providing precision control of the Polyimide diaphragm assembly. 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 lower 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.

**Magnetic Circuit Design**

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. This effort has resulted in a device that offers uncompromising performance featuring high efficiency, exceptional transient response and controlled distortion characteristics, all that in very compact size.

**Specifications:**

**General specs**

Nominal Diameter:	1.4 in
Rated Impedance:	8 Ohm

**Power handling**

AES Power:	30 Watts
Program Power:	40 Watts
Peak Power:	120 Watts

**Voice Coil**

Diameter:	36 mm
Winding wire:	Al
Former:	Kapton

**T/S Parameters**

Resonant frequency:	1,100 Hz
Nominal sensitivity	109 dB
Re:	7.2
Le:	
Flux density:	

**Design details**

Dome Material:	Polyimide
Surround material:	Polyimide
Magnet material:	Neodymium
Overall diameter:	95 mm
Bolt circle diameter:	76 mm
Throat diameter:	1.3 inch
Number of mounting holes:	4
Depth (front to rear):	49.5 mm
Net weight:	700 grams

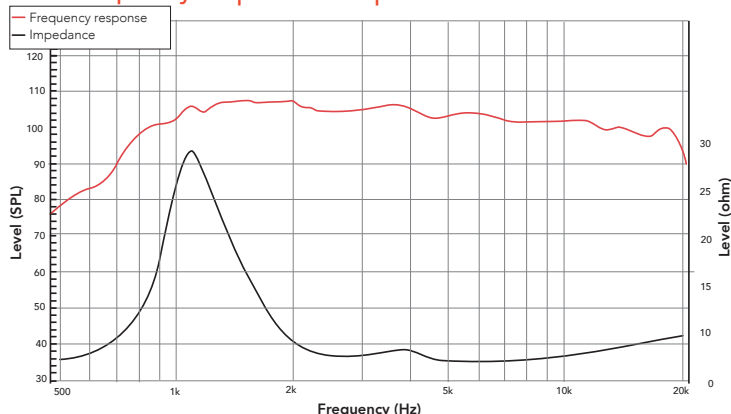
**Ordering codes:**

4 ohm version:	140NCDX4-077
8 ohm version:	140NCDX8-077
16 ohm version:	N/A

**Recone kits:**

4 ohm version:	RC140NCDX4-077
8 ohm version:	RC140NCDX8-077
16 ohm version:	N/A

**Frequency response & Impedance**



Frequency response measured on IAC baffle

**2D drawing**

