



**Key features:**

- HIGH PERFORMANCE, HIGH QUALITY COMPRESSION DRIVER
- FITS ANY BUDGET
- DESIGNED FOR USAGE IN 2-WAY & multi-way SYSTEMS

**Design notes:**

The 140FCD compression driver is a very high performance high frequency device ideal for professional loudspeaker systems. The driver's ferrite 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 1.0inch exit throat. REDCATT has developed unique motor system magnetic gap volume tuning.

This feature dramatically improves THD and improves the transient response of the driver.

**Diaphragm Assembly**  
The driver features a 36mm Polyimide diaphragm formed as single piece with Polyimide suspension. The suspension has designed and FEM optimized venting features to lower the harmonic distortion.

The dome is carefully attached to a high temperature Nomex voice coil former that withstands the long term power characteristics typically seen in profession-

al applications. The acoustic output exits through a radial phase plug and a 1.0 inch throat aperture. Nominal sensitivity is 110.5 dB 1watt / 1 meter.

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:	1.4"
Rated Impedance:	4 Ohm

**Power handling**

AES Power:	30 Watts
Program Power:	60 Watts
Peak Power:	120 Watts

**Voice Coil**

Diameter:	36mm
Winding wire:	Al
Former:	Kapton

**T/S Parameters**

Resonant frequency:	1,000 Hz
Nominal sensitivity	106 dB
Re:	4.2 ohms
Le:	
Flux density:	

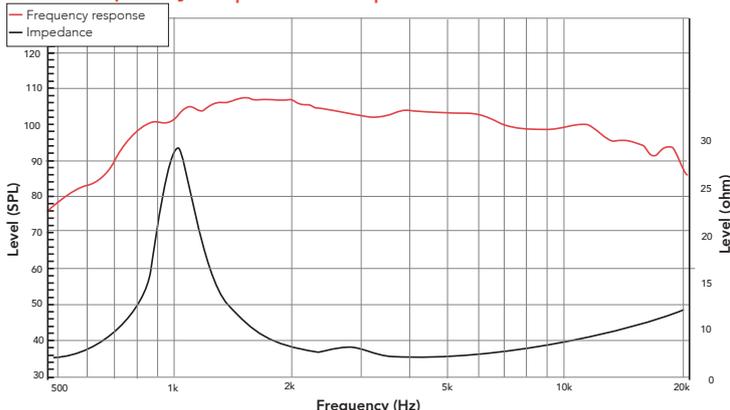
**Design details**

Dome Material:	Polyimide
Surround material:	Polyimide
Magnet material:	Ferrite
Overall diameter:	100 mm
Bolt circle diameter:	76 mm
Throat diameter:	1.0 inch
Number of mounting holes:	4
Depth (front to rear):	45 mm
Net weight:	900 grams

**Ordering codes:**

4 ohm version:	140FCDX4-087
8 ohm version:	N/A
16 ohm version:	N/A
<b>Recone kits:</b>	
4 ohm version:	RC140FCDX4-087
8 ohm version:	N/A
16 ohm version:	N/A

**Frequency response & Impedance**



Frequency response measured on IAC baffle

**2D drawing**

