2" | 180FCD

Ferrite Compression Driver

REDCATT

Key features:

- EXTENDED FREQUENCY RESPONSE
- FEM OPTIMIZED MAGNETIC STRUCTURE
- USE IN LARGER SPEAKER SYSTEMS

Design notes:

The 180FCD compression driver is a very high performance high frequency device ideal for professional loudspeaker systems. The driver,Äôs dome is carefully attached to based magnetic circuit provides a robust, high force BL field, providing precision control of the Polyimide diaphragm assembly.

Diaphragm Assembly

The driver features a 44mm Polyimide diaphragm formed as single piece with Polyimide suspension.

The dome is assembled to a high temperature Nomex voice coil former that withstands the long term power characteristics typically seen in professional applications. The acoustic output exits through a bullet phase plug and a 1.0 inch throat aperture. Nominal sensitivity is 108.5 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

Specifications:

General specs	
Nominal Diameter:	2"
Rated Impedance:	8 ohm

Power handling	
AES Power:	40 watts
Program Power:	80 watts
Peak Power:	160 watts

Voice Coil	
Diameter:	1.8 in.
Winding wire:	CCAR
Former:	kapton

T/S Parameters	
Resonant frequency:	2000 Hz
Nominal sensitivity	109 dB
Re:	5.8 ohm
Le:	n/a mH

Design details	
Dome Material:	Polymer
Surround material:	Polymer
Magnet material:	Ferrite
Overall diameter:	120 mm
Bolt circle diameter:	76&57 mm
Throat diameter:	28.5mm mm
Number of mounting holes:	2+3
Depth (front to rear):	69 mm
Net weight:	2.2kg

Ordering codes:

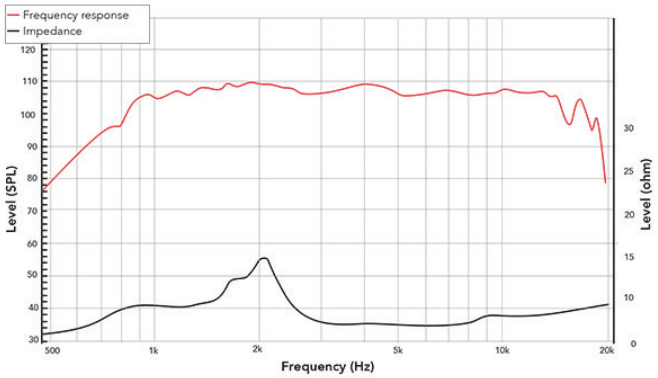
180FCDX-044

Recone kits:

RC180FCDX-044

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