3″ | 200FCD

Ferrite Compression Driver

REDCATT

Key features:

- VERY LOW RESONANT FREQUENCY
- COPPER CAP DEMODULATION RING, POWERFUL MOTOR STRUCTURE
- DESIGNED FOR LARGE SPEAKER SYSTEMS WHERE HIGH SPL IS REQUIRED

Design notes:

The 200FCD compression driver is a very high performance high frequency device ideal for large professional loudspeaker systems. The driver uses all components that were designed and manufacture with one objective in mind - be the best. The driver,Âôs phase plug is CNC machined from solid aluminum with unbeaten level of precision. The dome is carefully attached to the voice coil with our sandwich joint, improving the transfer of the high frequencies and further improving power handling and reliability of the driver.

Diaphragm Assembly

The driver features a 75mm pure titanium diaphragm. Suspension is formed from Polyimide material.

The acoustic output exits through an aluminum, radial 3 slot phase plug and a 2.0 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 this product.

Specifications:

General specs	
Nominal Diameter:	3″
Rated Impedance:	8 ohm

Power handling	
AES Power:	110 watts
Program Power:	220 watts
Peak Power:	440 watts

Voice Coil	
Diameter:	3 in.
Winding wire:	CCAR
Former:	kapton

T/S Parameters	
Resonant frequency:	500 Hz
Nominal sensitivity	109 dB
Re:	6 ohm
Le:	n/a mH

Design details	
Dome Material:	Titanium
Surround material:	Polymer
Magnet material:	Ferrite
Overall diameter:	180 mm
Bolt circle diameter:	102 mm
Throat diameter:	48mm mm
Number of mounting holes:	4
Depth (front to rear):	91.5 mm
Net weight:	5kg

Ordering codes:

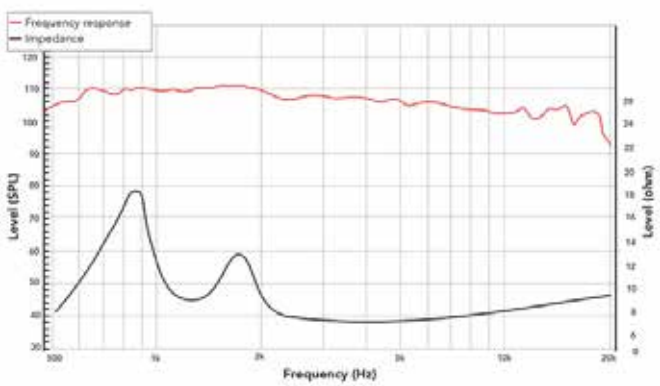
200FCDX-049

Recone kits:

RC200FCDX-049

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