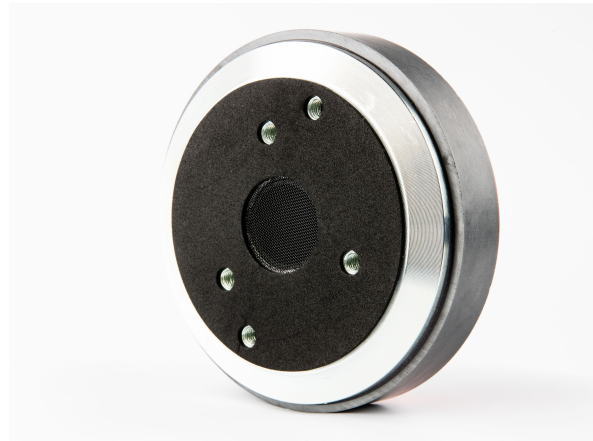


1.8" 180FCD-2

Compression Driver



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's 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 this product.

Specifications:

General specs	
Nominal Diameter:	1.8 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	40 watts
Program Power:	80 watts
Peak Power:	160 watts
Voice Coil	
Diameter:	45.7 mm
Winding wire:	CCAR
Former:	kapton
Winding height:	2.5 mm

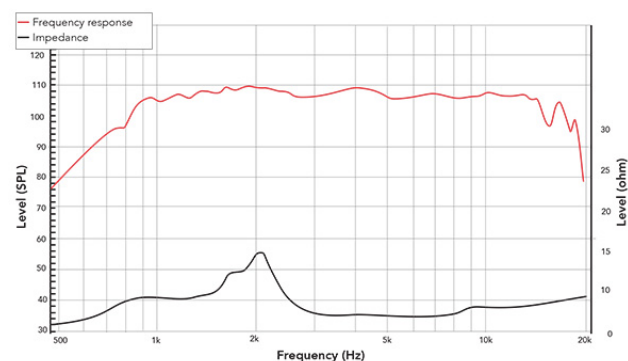
T/S Parameters	
Resonant frequency:	2000 Hz
Re:	5.8 ohm
Sensitivity:	109 dB

Design details	
Dome Material:	PEN
Magnet material:	Ferrite
Overall diameter:	120 mm
Depth:	69 mm
Net weight:	2.2 kg

Ordering codes:	
CD-1.8-003-8R-B2-C0001	
Legacy code: 180FCDX8-044	
Recone kits:	
RC180FCDX8-044	

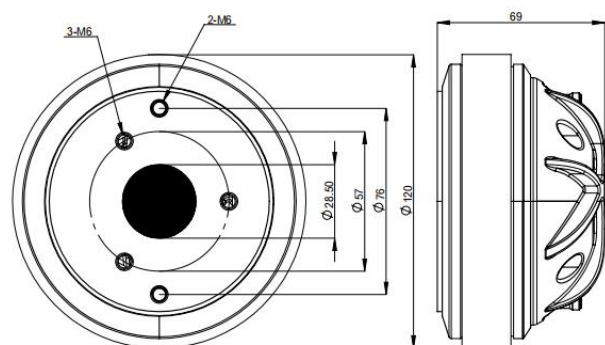
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



info@redcatt.net

www.redcatt.net