

1.4" 140FCD

Compression Driver



Key features:

- HIGH PERFORMANCE, HIGH QUALITY COMPRESSION DRIVER

- FITS ANY BUDGET

- DESIGNED FOR USAGE IN 2-WAY & MULTI-WAY SYSTEMS

Design notes:

The 140FCD is a very high performance device ideal for professional loudspeaker systems. The unit delivers extended frequency response and high power handling through 1.0 inch 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. 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 professional 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.

Our voice coil to dome bonding is unique process, developed to greatly improve the power handling capabilities. REDCATT 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:	8 ohm
Power handling	
AES Power:	30 watts
Program Power:	60 watts
Peak Power:	120 watts
Voice Coil	
Diameter:	35.6 mm
Winding wire:	CCAR
Former:	kapton
Winding height:	2.5 mm

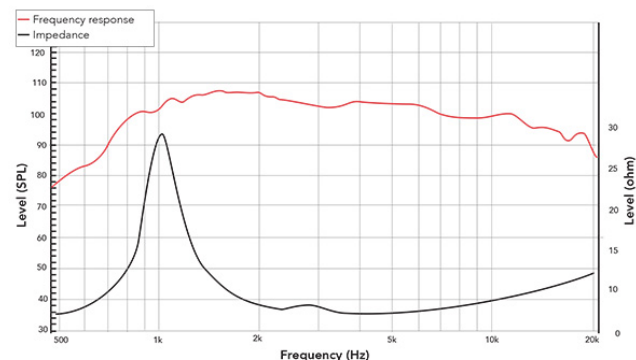
T/S Parameters	
Resonant frequency:	1200 Hz
Re:	5.5 ohm
Sensitivity:	106 dB

Design details	
Dome Material:	PEN
Surround material:	N/A
Magnet material:	Ferrite
Overall diameter:	100 mm
Bolt circle diameter:	76 mm
Mounting holes:	4
Depth:	48 mm
Net weight:	1.1 kg

Ordering codes:	
CD-1-007-8R-B2-C0001	Legacy code: 140FCDX8-087A
Recone kits:	
RC140FCDX8-087A	

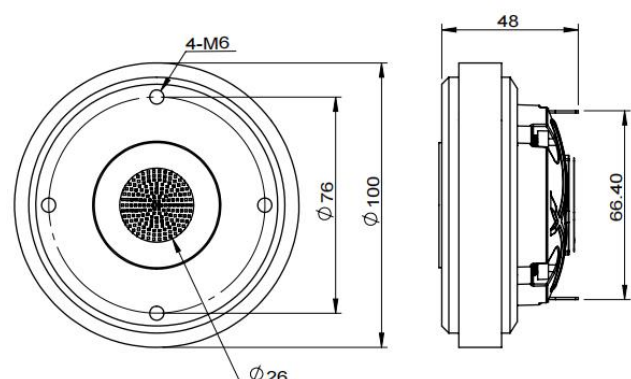
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



info@redcatt.net

www.redcatt.net