



Key features:

- LOW RESONANT FREQUENCY
- MOUNTING PLASTIC ADAPTER WITH THREAD
- FOR APPLICATIONS WITH LIMITED SPACE

Design notes:

The 141FCD compression driver is a high performance high frequency device ideal for professional loudspeaker systems. Its core is designed based on our very 140FCD model. In fact the dome assembly is shared between these two models. The driver's ferrite based magnetic circuit was modified to fit applications with a limited space and lower budget. Furthermore, we have added mounting

adapter with 1 3/8" 18TPI thread to easy and fast mounting onto the horn throats that incorporate this thread.

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 professional applications. The acoustic output exits through a radial phase plug and a 1.0 inch throat aperture. Nominal sensitivity is 105 dB 1 watt / 1 meter.

Specifications:

General specs

Nominal Diameter: 1"
Rated Impedance: 4 ohm

Power handling

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

Voice Coil

Diameter: 1.4 in.
Winding wire: CCAR
Former: kapton

T/S Parameters

Resonant frequency: 900 Hz
Nominal sensitivity: 105 dB
Re: 2.5 ohm
Le: n/a mH

Design details

Dome Material: Polymer
Surround material: Polymer
Magnet material: Ferrite
Overall diameter: 72 mm
Bolt circle diameter: Thread
Throat diameter: 25mm mm
Number of mounting holes: n/a
Depth (front to rear): 65.7 mm
Net weight: 634g

Ordering codes:

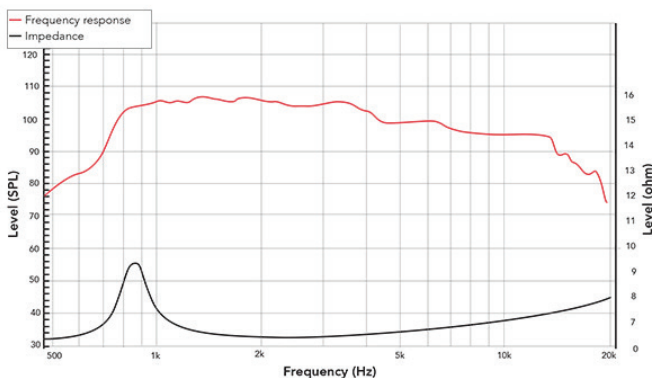
141FCDX-337

Recone kits:

RC141FCDX-337

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

