



Key features:

- COMPACT DESIGN
- DELIVERED WITH MOUNTING STEEL PLATE
- LOW RESONANT FREQUENCY

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 steel face-plate for easier assembly on production lines for high-vol-

ume productions.

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 appli-

cations. The acoustic output exits through a radial phase plug and a 1.0 inch throat aperture. Nominal sensitivity is 105 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

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

2.3 mm

T/S Parameters

Resonant frequency: 950 Hz

Nominal sensitivity 2.5 ohm

Re: n/a

Le: n/a

n/a

n/a liters

n/a cm²

105 dB

n/a grams

n/a

n/a mH

Design details

Dome Material: Polymer

Surround material: Polymer

Magnet material: n/a

Overall diameter: 3 mm

Bolt circle diameter: n/a mm

Throat diameter: 110 mm

Number of mounting holes: 84.85 mm

Depth (front to rear): n/a mm

Net weight: 4

50.45 mm

808g

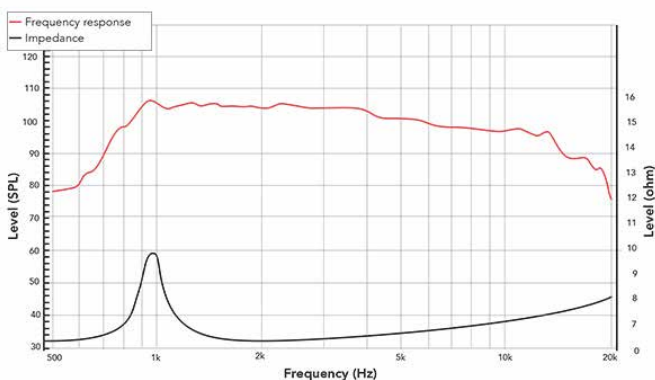
Ordering codes:

141FCDX4-372

Recone kits:

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

