

1"**141FCD**

Ferrite Compression Driver



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 character-

istics 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 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

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: 900 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: 72 mm

Number of mounting holes: Thread

Depth (front to rear): n/a mm

Net weight: n/a

65.7 mm

634g

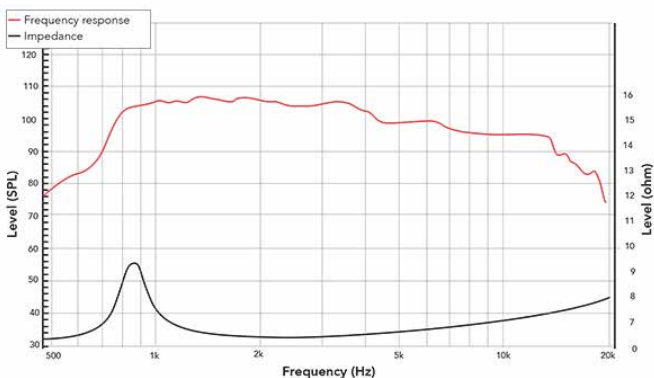
Ordering codes:

141FCDX4-337

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

