



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 |

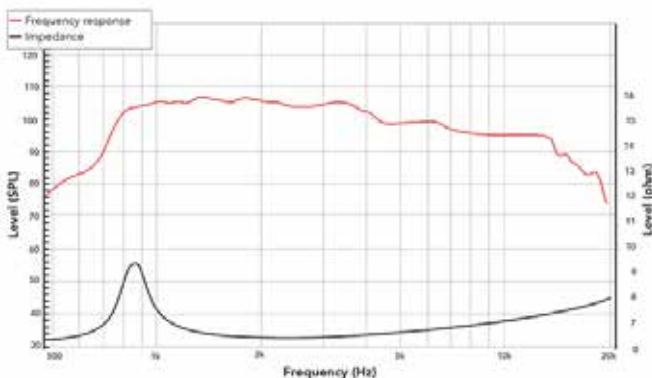
| T/S Parameters | |
|---------------------|--------|
| Resonant frequency: | 900 Hz |
| Nominal sensitivity | 105 dB |
| Re: | 3 ohm |
| Le: | n/a mH |

| 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

