1.4" 141FCDP

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. It's 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 lover 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 1watt / 1 meter.

Specifications:

General specs	
Nominal Diameter:	**1.4 "**
Rated Impedance:	**4 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:	**2.3 mm**

T/S Parameters	
Resonant frequency:	**900 Hz**
Re:	**2.5 ohm**
Sensitivity:	**105 dB**

Design details	
Dome Material:	**PEN**
Surround material:	**N/A**
Magnet material:	**Ferrite**
Overall diameter:	**72 mm**
Depth:	**65.7 mm**
Net weight:	**0.634 kg**

Ordering codes:

CD-1-017-4R-B2-C0001

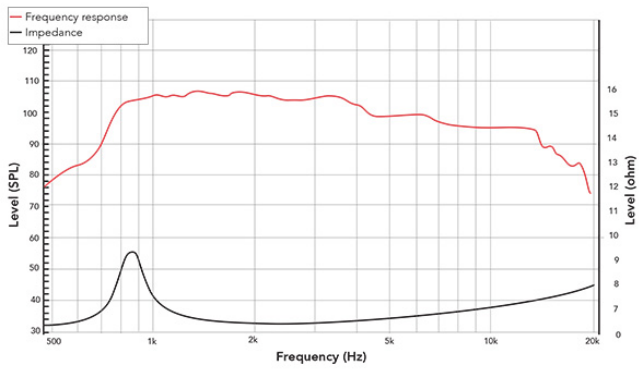
Legacy code: **141FCDPX4-337A**

Recone kits:

RC141FCDPX4-337A

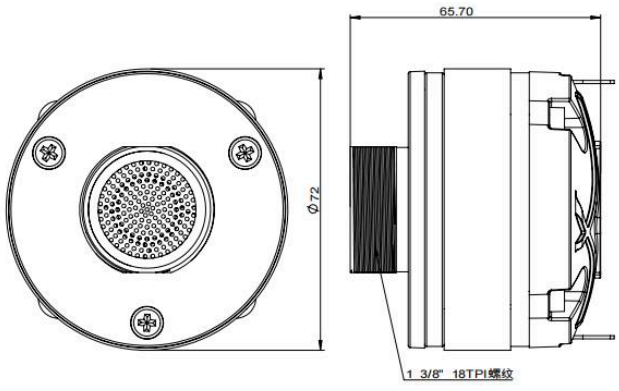
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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