



**Key features:**

- VERY HIGH SPL, LOW FS
- HIGH POWER HANDLING
- SMOOTH FREQUENCY RESPONSE IN WORKING RANGE

**Design notes:**

Introducing our latest innovation, the 142FCD compression driver! Developed using advanced FEM techniques, this driver outperforms many of our competitor products. With a resonant frequency of 1kHz, it allows for a lower frequency crossover point, while delivering very high SPL and a natural rolloff in high frequencies, making it a breeze to implement in your high-quality

sound systems.

But that's not all, our state-of-the-art robotic dome forming is at play here too. The result? Highly precise and consistent polymer domes that further elevate the exceptional performance of this driver.

Moreover, the robust ferrite magnetic circuit delivers a high B field to

the edge-wound voice coil, which is carefully attached to the dome by the best available adhesives. This not only ensures precise and consistent performance but also enhances the high power handling capabilities of the 142FCD compression driver. Experience the next level of audio quality with the 142FCD compression driver - where innovation meets superior craftsmanship.

**Specifications:**

General specs	
Nominal Diameter:	1"
Rated Impedance:	8 ohm
Power handling	
AES Power:	35 watts
Program Power:	70 watts
Peak Power:	140 watts
Voice Coil	
Diameter:	1.4 in.
Winding wire:	CCAR
Former:	kapton

T/S Parameters	
Resonant frequency:	1000 Hz
Nominal sensitivity	105 dB
Re:	6.0 ohm
Le:	n/a mH

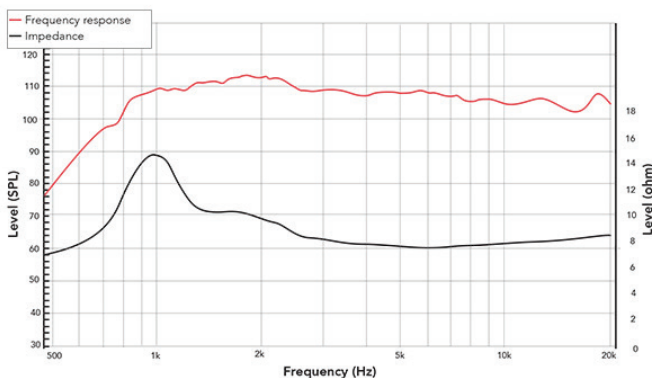
Design details	
Dome Material:	Polymer
Surround material:	Polymer
Magnet material:	Ferrite
Overall diameter:	95 mm
Bolt circle diameter:	76 mm
Throat diameter:	25.4mm mm
Number of mounting holes:	4
Depth (front to rear):	54.2 mm
Net weight:	1.25kg

Ordering codes:	
	142FCDX-557A

Recone kits:	
	RC142FCDX-557A

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**

