

1.4" 142FCD

Compression Driver



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.

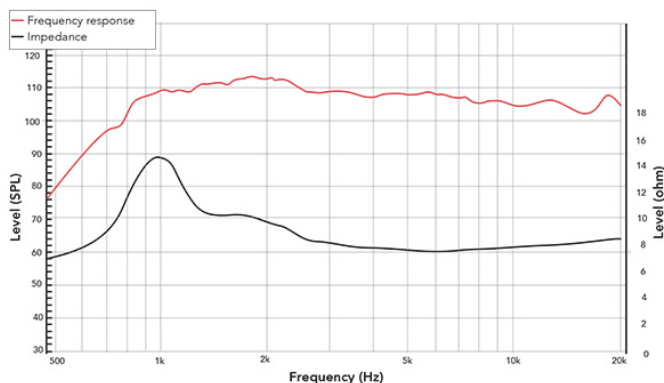
Moreover, the robust ferrite magnetic circuit delivers a high B field to the edge-wound voice coil, which is carefully attached to the

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	T/S Parameters	Design details	Ordering code:
Nominal Diameter: 1.4 "	Resonant frequency: 1000 Hz	Dome Material: PEN	CD-1.4-006-8R-B2-C0001
Rated Impedance: 8 ohm	Re: 6 ohm	Surround material: N/A	In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.
Power handling	Sensitivity: 105 dB	Magnet material: Ferrite	
AES Power: 35 watts		Overall diameter: 95 mm	
Program Power: 70 watts		Bolt circle diameter: 76 mm	
Peak Power: 140 watts		Mounting holes: 4	
Voice Coil		Depth: 54.2 mm	
Diameter: 35.6 mm		Net weight: 1.25 kg	
Winding wire: CCAR			
Former: kapton			
Winding height: 2.5 mm			

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing

