

Compact, High Frequency Compression Driver Ordering code: 180FCDT-331

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
110 watts	109.5 dB	650 Hz	500 Hz - 18 kHz	44mm	EW CCAW	Titanium	Ferrite

The 180FCDT compression driver is a very high-performance, high-frequency device ideal for professional loud-speaker systems. The driver's pure Titanium dome assembly is carefully attached to based magnetic circuit provides a robust, high force BL field, providing precision control of the Polyimide diaphragm assembly.

Diaphragm Assembly

The driver sports a 44mm Titanium diaphragm formed as a single piece with Titanium suspension. The suspension consists of FEM optimized resonance control to improve the diaphragm behavior at low frequencies and lower the THD.

The acoustic output exits through a circumferential phase plug and a 1.0-inch throat aperture. Nominal sensitivity is 108.5 dB 1 watt / 1 meter.

REDCATT uses state of the art adhesives in all assembly steps. Our voice coil to dome bonding is a unique process, developed to greatly improve the power handling capabilities. REDCATT unique and precise adhesives dispensing, combined with our in-house developed dome treatments are further improving the long term reliability of this product.



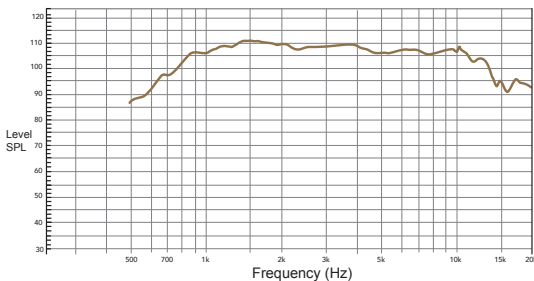
General Specifications

Exit Throat Diameter:	25.4 mm (1.0 in.)
Rated Impedance:	8 Ohm (or 16 Ohm)
Power Handling:	
AES Power:	55 Watts
Program Power:	110 Watts
Sensitivity:	109.5 dB
Frequency Range:	500 Hz - 18,000 Hz
Minimum Recommended Xover Freq.:	>900 Hz
Minimum Impedance:	6.5 Ohms at 25C
Voice Coil Diameter:	44mm
Voice Coil Winding Wire Material:	Edge Wound CCAW
Diaphragm:	Pure Titanium
Flux Density:	1.85 T
Magnetic Material:	Ferrite
Fs	650 Hz

Mounting Information

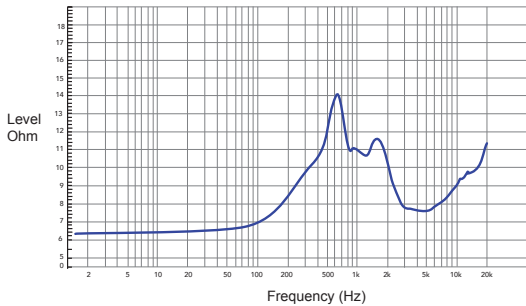
No. Of mounting holes	3 and 2
3x M5 Holes	57 mm Dia.
Total depth	68 mm
Total outside dimension	120 mm Dia.
Net weight	2.1 kg

Frequency Response



Frequency response measurement with transducer mounted on constant directivity horn

Impedance Response



Impedance measured in free air without a horn

