

Ordering code: 25TF-065

High Frequency Tweeter

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
40 watts	91.5 dB	1,100 Hz	1,000 Hz - 30 kHz	25.4mm	EW CCAW	Titanium Nitride / EVA	Ferrite



The 25TF tweeter has incredibly linear frequency response characteristics, high power handling capability while generating ultra low harmonic distortion artifacts.

The 25TF Dome utilizes REDCATT in-house unique titanium coating technology. Nitride is extremely hard ceramic material. We deposit the nitride from both sides of the titanium dome. The coated dome has dramatically improved flexural rigidity (aka stiffness), compared to the pure titanium dome. The coating has dramatic effect onto the distortion artifacts. The 3rd harmonic distortion stays below 0.05% in the working range. Extended high frequency response without major dome breakup modes and improved transient response are the other positive effects of REDCATT Titanium-Nitride Domes.

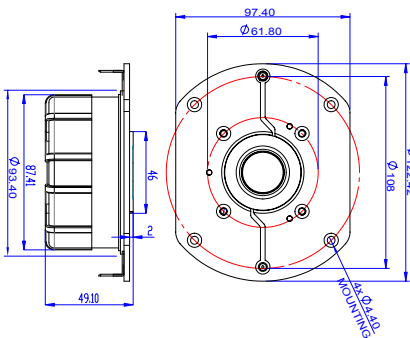
The 25TF has implemented FEM tuned rear resonant chamber. The chamber is improving the tweeter behavior at low frequencies and further lowering the harmonic distortion. All tweeter parts are bonded together using state of the art high temperature adhesives. Metal parts in the tweeter assembly are coated for extreme weatherization protection.

General Specifications

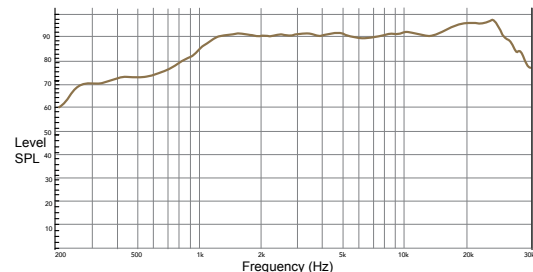
Exit Throat Diameter:	25.4 mm (1.0 in.)
Rated Impedance:	8 Ohm
Power Handling:	
AES Power:	20 Watts
Program Power:	40 Watts
Sensitivity:	91.5 dB
Frequency Range:	1,000 Hz - 30,000 Hz
Minimum Recommended Xover Freq.:	>1,500 Hz
Minimum Impedance:	7.8 Ohms at 25C
Voice Coil Diameter:	25.4mm (1.0 in.)
Voice Coil Winding Wire Material:	Edge Wound CCAW
Diaphragm:	Titanium Nitride
Flux Density:	1.25 T
Magnetic Material:	Ferrite
Fs	1,100 Hz

Mounting Information

No. Of mounting holes	4 holes mounting pattern
4x dia 4.4mm holes	108 mm Dia.
Total depth	49 mm (1.93 in.)
Total outside dimension	122.5 x 97.5mm (4.83 x 3.85 in.)
Net weight	0.6 kg (1.3 lbs.)

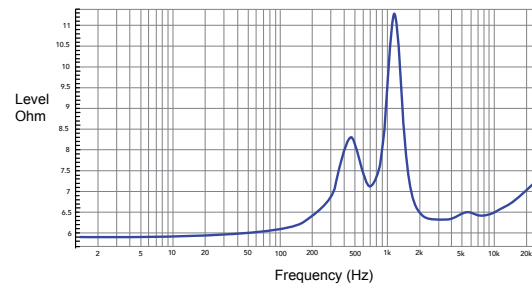


Frequency Response



Frequency response measurement with transducer mounted on flat baffle

Impedance Response



Impedance measured in with a horn