1" | 25TF

Ferrite Tweater

REDCATT

Key features:

- LOW RESONANT FREQUENCY, HIGH SPL
- SMOOTH FREQUENCY RESPONSE
- EASY CROSSOVER DESIGN POSSIBLE

Design notes:

25TF ferrite based tweter was design for high quality audio applications. It sports single piece poly-silk dome, formed together with surround. Furthermore, the magnetic system and dome sub-assembly is inbuilt into carrier that is later further assembled with our waveguide.

The magnetic circuit delivers robust and consistent B field. Its design has been FEM optimized and features small resonant chamber. All metal parts are coated for weather protection.

The dome is carefully attached to CCAW winding voice coil, wound on a Kapton former. Our precission adhesive dispensing ensures consistency and reliability of all our products.

This version of 25TF style tweeter shares all components with aluminum dome version 25TF. The difference is only the dome itself. While aluminum dome delivers crisp HF, the poly-silk dome is dampened in the high frequencies and has a smoother roll off. Each version has its own application, that perhaps depends on personal preferences of the audio engineer.

The best application of this device is in studio monitors, 2-way Hi-Fi systems as well as outdoor products.

Specifications:

General specs	
Nominal Diameter:	1"
Rated Impedance:	4 ohm

Power handling	
AES Power:	10 watts
Program Power:	20 watts
Peak Power:	40 watts

Voice Coil	
Diameter:	1 in.
Winding wire:	CCAW
Former:	Aluminum

T/S Parameters	
Resonant frequency:	1000 Hz
Nominal sensitivity	90 dB
Re:	3.8 ohm
Le:	n/a mH

Design details	
Dome Material:	silk
Surround material:	silk
Magnet material:	Ferrite
Overall diameter:	103.5 mm
Bolt circle diameter:	93.5 mm
Throat diameter:	n/a mm
Number of mounting holes:	4
Depth (front to rear):	34.2 mm
Net weight:	524g

Ordering codes:

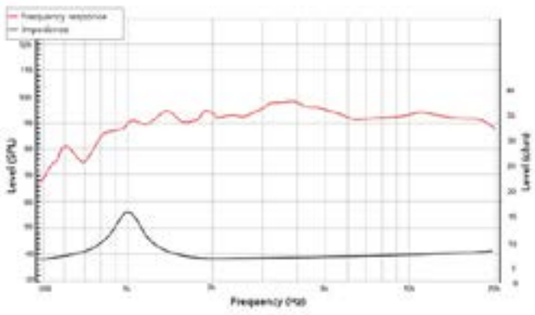
25TFX-431B

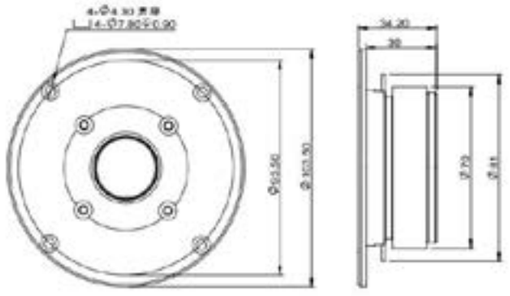
Recone kits:

RC25TFX-431B

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