

**1"****25TF**

# Ferrite Tweeter



### Key features:

- WORKING RANGE UP TO 30KHZ
- LOW RESONANT FREQUENCY
- TITANIUM NITRIDE DOME

### Design notes:

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 rigid-

ity (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 improv-

ing 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. This tweeter can be used in all applications requiring high quality HF devices. Best mounting is on a flat baffle without any waveguide.

### Specifications:

#### General specs

Nominal Diameter: 1"

Rated Impedance: 8 ohm

#### Power handling

AES Power: 10 watts

Program Power: 20 watts

Peak Power: 40 watts

#### Voice Coil

Diameter: 0.8 in.

Winding wire: CCAW

Former: Aluminum

1.6 mm

#### T/S Parameters

Resonant frequency: 1200 Hz

Nominal sensitivity 5.7 ohm

Re: n/a

Le: n/a

n/a

n/a liters

n/a cm<sup>2</sup>

91.5 dB

n/a grams

n/a

n/a mH

#### Design details

Dome Material: Foam

Surround material: Titanium

Magnet material: n/a

Overall diameter: 3 mm

Bolt circle diameter: n/a mm

Throat diameter: 122.5\*96 mm

Number of mounting holes: 108 mm

Depth (front to rear): n/a mm

Net weight: 4

49.1 mm

787g

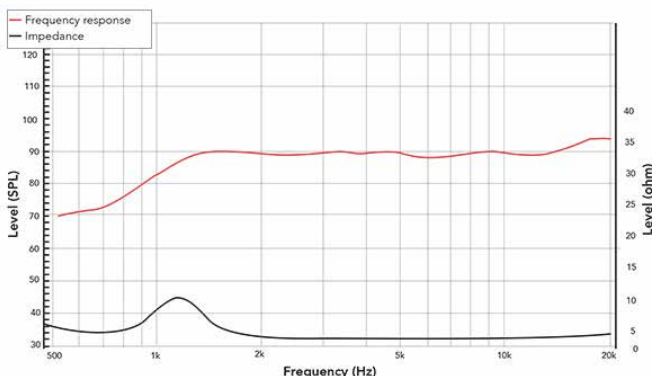
#### Ordering codes:

25TFX8-065

#### Recone kits:

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

