

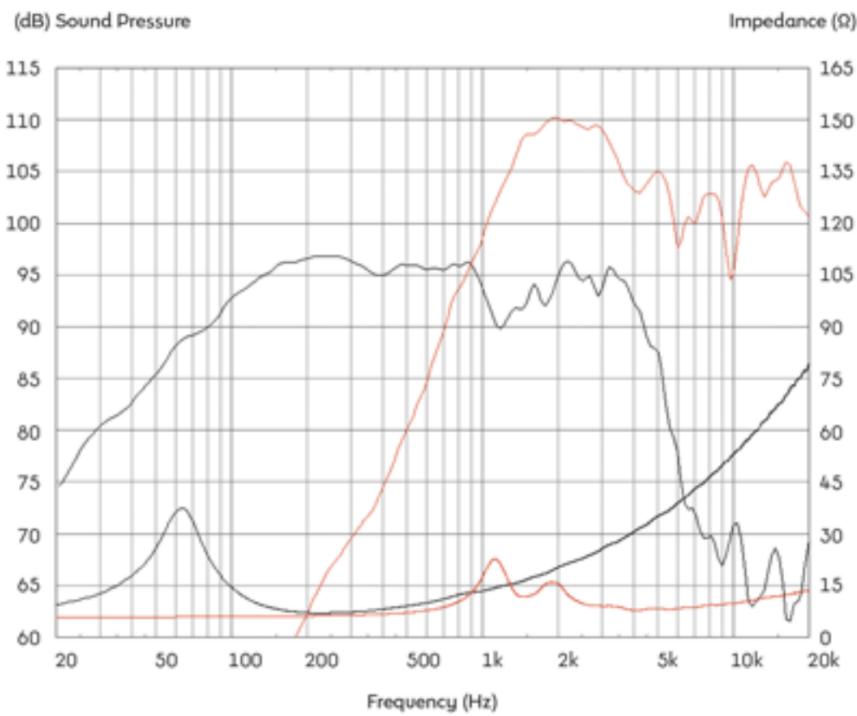
### TF1225CX



#### Features

- Field replaceable PETP Film HF diaphragm
- 80° nominal HF coverage
- HF repair kit available

#### 8 Frequency Response



1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.
2. Continuous Power Rating is defined as 3dB greater than the AES rating
3. Measured on axis at 1W, 1m in 2<sup>1</sup> anechoic environment.
4. Xmax derived from: (voice coil winding width-gap depth)/2.
5. Tested for two hours on plane wave tube using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance
6. Continuous Power Handling is defined as 3dB greater than the AES rating

#### General Specifications

|                                      |                     |
|--------------------------------------|---------------------|
| Size                                 | 305mm/12in          |
| Power rating <sup>1</sup>            | 250Wrms             |
| Continuous power rating <sup>2</sup> | 500W                |
| Nominal impedance                    | 8                   |
| Sensitivity <sup>3</sup>             | 97dB                |
| Frequency range                      | 40-4,000Hz          |
| Voice coil diameter                  | 64mm/2.5in          |
| Chassis type                         | Pressed steel       |
| Magnet type                          | Ferrite             |
| Magnet weight                        | 1.2kg/42oz          |
| Coil material                        | Round copper        |
| Former material                      | Polyimide           |
| Cone material                        | Kevlar loaded paper |
| Surround material                    | Cloth-sealed        |
| Suspension                           | Single              |
| Xmax <sup>4</sup>                    | 2.5mm/0.098in       |
| Xmax                                 | 45mm/1.75in         |
| Gap depth                            | 8mm/0.31in          |
| Voice coil winding width             | 13mm/0.51in         |

#### Small Signal Parameters

|              |                 |
|--------------|-----------------|
| D            | 0.26m/0.24in    |
| Fs           | 63.5Hz          |
| Mms          | 55.59g/1.96oz   |
| Qms          | 3.119           |
| Qes          | 0.405           |
| Mmd          | 42.76g/1.51oz   |
| Qts          | 0.358           |
| Re           | 5.57            |
| Vas          | 45.12lt/1.59ft3 |
| Bl           | 17.46Tm         |
| Cms          | 0.11mm/N        |
| Rms          | 7.11kg/s        |
| Le (at 1kHz) | 1.2mH           |

#### General Specifications: HF

|                                       |               |
|---------------------------------------|---------------|
| Power rating <sup>5</sup>             | 40Wrms        |
| Continuous power rating <sup>6</sup>  | 80W           |
| Nominal impedance                     | 8Ω;           |
| Sensitivity                           | 110dB         |
| Frequency range                       | 1200-18,000Hz |
| Recommended min. crossover (12dB/oct) | 2,200Hz       |
| Magnet type                           | Neodymium     |
| Voice coil diameter                   | 45mm/1.75in   |
| Diaphragm and surround material       | PETP film     |

#### Mounting Information

|                          |               |
|--------------------------|---------------|
| Diameter                 | 309mm/12.2in  |
| Overall depth            | 172mm/6.77in  |
| Cut-out diameter         | 286mm/11.20in |
| Mounting slot dimensions | ∅7.9mm/0.31in |
| Number of mounting slots | 4             |
| Mounting PCD range       | 297mm/11.69in |
| Unit weight              | 4.6kg/10.1lb  |

#### Packed Dimensions & Weight

|                            |   |
|----------------------------|---|
| Single pack size W x D x H | 354mm x 354mm x 189mm<br>/13.9in x 13.9in x 7.4in |
| Single pack weight         | 5.4kg/11.8lb                                      |