

TF1225CX

12-inch pressed steel chassis, ferrite magnet coaxial driver



- Field replaceable PETP Film HF diaphragm
- 80° nominal HF coverage

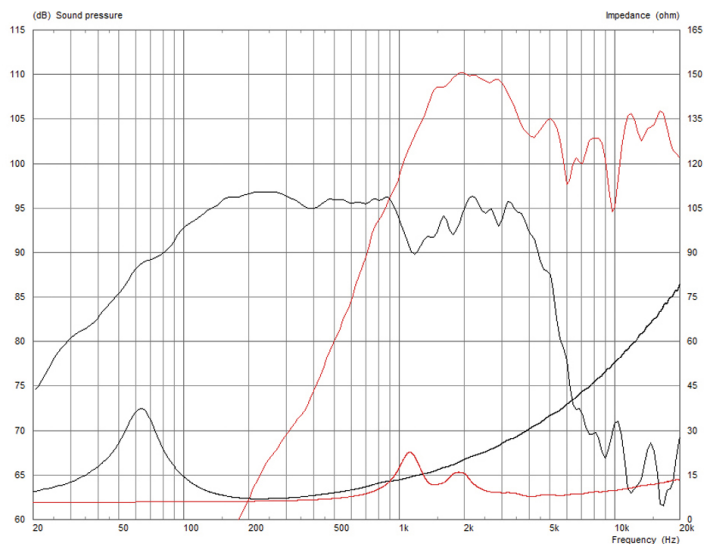
General Specifications

| | |
|-------------------------|---------------------|
| Nominal Diameter | 305mm / 12in |
| Power Rating | 250W |
| Continuous power rating | 500W |
| Rated impedance | 8&ohm |
| Sensitivity | 97dB |
| Frequency range | 40-4000Hz |
| Chassis type | Pressed steel |
| Magnet type | Ferrite |
| Magnet weight | 1.2kg / 42oz |
| Voice coil diameter | 64mm / 2.5in |
| Voice coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Gap height (Hg) | 8mm / 0.31in |
| VC winding height (Hvc) | 13mm / 0.51in |

Mounting Information

| | |
|--------------------------|-----------------|
| Overall diameter | 309mm / 12.2in |
| Overall depth | 172mm / 6.8in |
| Cut-out diameter | 286mm / 11.2in |
| Mounting hole dimensions | 7.9mm / 0.31in |
| Number of mounting holes | 4 |
| Mounting hole PCD | 297mm / 11.69in |
| Unit weight | 4.6kg / 10.1lb |

Frequency Response and Impedance Curves



Black: LF response curve | Red: HF response curve

Power rating: 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.

HF power rating: 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.

Continuous power rating: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2? anechoic environment.

Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

Suggested crossover designs available at
celestion.com/blog

Parameters

| | |
|--------------|----------------------------------|
| Sd | 530.93cm2 / 82.29in ² |
| Fs | 63.50Hz |
| Mms | 55.59g / 1.96oz |
| Qms | 3.119 |
| Qes | 0.405 |
| Qts | 0.358 |
| Re | 5.57&ohm |
| Vas | 45.12l / 1.59ft ³ |
| Bi | 17.46Tm |
| Cms | 0.11mm/N |
| Rms | 7.11kg/s |
| Le (at 1kHz) | 1.20mH |
| Xmax | 4.5mm / 0.18in |

Additional HF Specifications

| | |
|----------------------------|---------------|
| Power rating | 40W |
| Continuous power rating | 80W |
| Rated impedance | 8&ohm |
| Sensitivity | 110dB |
| Frequency range | 1200-18,000Hz |
| Recommended min. crossover | 2200Hz |
| 12dB/oct | |
| Voice coil diameter | 45mm / 1.75in |
| Magnet type | Neodymium |
| Diaphragm material | PETP film |
| Surround material | PETP film |

Packed Dimensions & Weight

| | |
|----------------------------|---|
| Single pack size W x D x H | 354mm x 354mm x 189mm / 13.9in x 13.9in x 7.4in |
| Single pack weight | 5.4kg / 11.8lb |
| Multi pack qty | 48 |
| Multi pack size W x D x H | 970mm x 1070mm x 850mm / 38.1in x 42.1in x 33.4in |
| Multi pack weight | 250kg / 550lb |

