

Legacy Loudspeakers

TFX0512 (Legacy)

5-inch pressed steel chassis, ferrite magnet coaxial driver



- Silk dome tweeter
- Integrated HF waveguide
- 100° nominal HF coverage

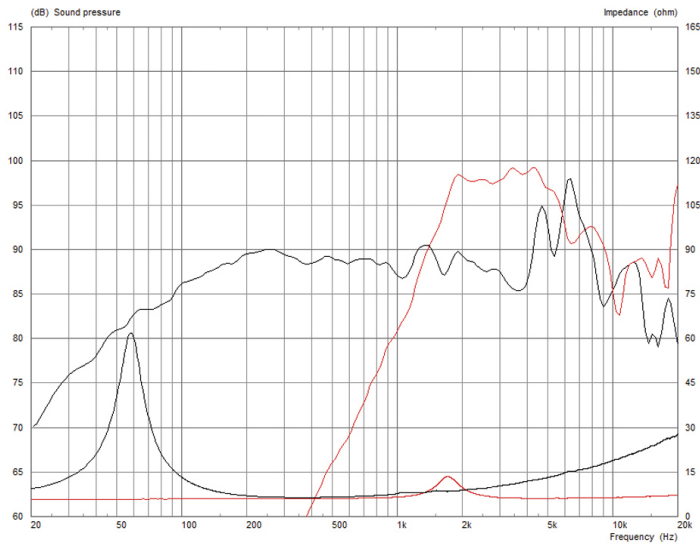
General Specifications

| | |
|-------------------------|---------------------|
| Nominal Diameter | 125mm / 5in |
| Power Rating | 100W |
| Continuous power rating | 200W |
| Rated impedance | 8 Ω |
| Sensitivity | 92dB |
| Frequency range | 70-4000Hz |
| Chassis type | Pressed steel |
| Magnet type | Ferrite |
| Magnet weight | 0.48kg / 17oz |
| Voice coil diameter | 32mm / 1.25in |
| Voice coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Elastomer |
| Suspension | Single |
| Gap height (Hg) | 6mm / 0.24in |
| VC winding height (Hvc) | 12mm / 0.47in |

Mounting Information

| | |
|--------------------------|---------------------|
| Overall diameter | 151mm / 5.9in (max) |
| Overall depth | 72mm / 2.8in |
| Cut-out diameter | 116mm / 4.6in |
| Mounting hole dimensions | 4.5mm / 0.18in |
| Number of mounting holes | 4 |
| Mounting hole PCD | 140mm / 5.5in |
| Unit weight | 2kg / 4.4lb |

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: Hvc-Hg/2

Suggested crossover designs available at
celestion.com/blog

Parameters

| | |
|--------------|---|
| Sd | 78.54cm ² / 12.17in ² |
| Fs | 69.10Hz |
| Mms | 8.60g / 0.30oz |
| Qms | 6.184 |
| Qes | 0.494 |
| Qts | 0.457 |
| Re | 5.45 Ω |
| Vas | 5.38l / 0.19ft ³ |
| Bi | 6.42Tm |
| Cms | 0.62mm/N |
| Rms | 0.60kg/s |
| Le (at 1kHz) | 0.37mH |
| Xmax | 3.25mm / 0.13in |

Additional HF Specifications

| | |
|----------------------------|---------------|
| Power rating | 8W |
| Continuous power rating | 16W |
| Rated impedance | 8 Ω |
| Sensitivity | 97dB |
| Frequency range | 2000-20,000Hz |
| Recommended min. crossover | 2500Hz |
| | 12dB/oct |
| Voice coil diameter | 19mm / 0.75in |
| Magnet type | Neodymium |
| Diaphragm material | Silk |
| Surround material | Silk |

Packed Dimensions & Weight

| | |
|---------------------------|--|
| Multi pack qty | 60 |
| Multi pack size W x D x H | 742mm x 287mm x 300mm / 29.2in x 11.3in x 11.8in |
| Multi pack weight | 125kg / 275lb |

