Legacy Pro Audio

TFX0512

5-inch pressed steel chassis, ferrite magnet coaxial driver

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

200W
Continuous power rating

92dB
Sensitivity

1.25in
Round copper voice coil

General Specifications

Nominal Diameter	125mm / 5in
Power Rating	100W
Continuous power rating	200W
Rated impedance	8 ohm
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

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 ohm
Vas	5.38l / 0.19ft^3
Bl	6.42Tm
Cms	0.62mm/N
Rms	0.60kg/s
Le (at 1kHz)	0.37mH
Xmax	3.25mm / 0.13in

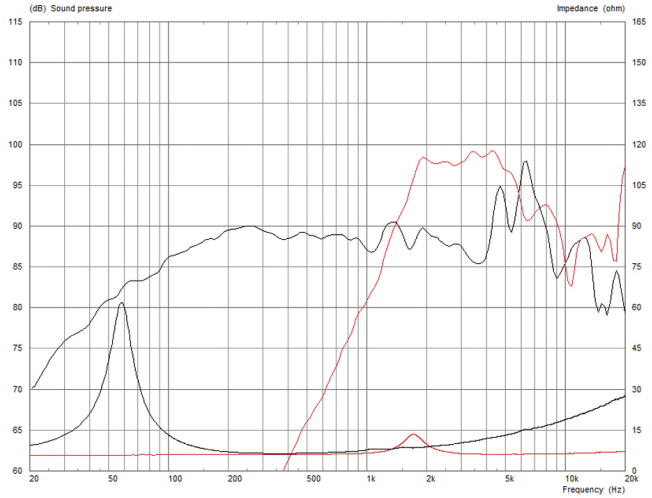
Additional HF Specifications

Power rating	8W
Continuous power rating	16W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	2000-20,000Hz
Recommended min. crossover 12d B/oct	2500Hz
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

Frequency Response and Impedance Curves



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

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom