Coaxial Loudspeakers

TFX0515-16

5-inch pressed steel chassis, ferrite magnet coaxial driver

- Silk dome tweeter
- 100° nominal HF coverage

300W
Continuous power rating

89dB
Sensitivity

1.5in
Round copper voice coil

1in



General Specifications

Nominal Diameter	125mm / 5in
Power Rating	150W
Continuous power rating	300W
Rated impedance	16 ohm
Sensitivity	89dB
Frequency range	80-4000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.65kg / 23oz
Voice coil diameter	38mm / 1.5in
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)	10.5mm / 0.41in

Parameters

Sd	95cm^2 / 14.72in^2
Fs	110Hz
Mms	8.717g / 0.31oz
Qms	14.326
Qes	0.847
Qts	0.800
Re	10.18 ohm
Vas	2.05l / 0.072ft^3
Bl	8.557Tm
Cms	0.234mm/N
Rms	0.426kg/s
Le (at 1kHz)	0.459mH
Xmax	3.75mm / 0.14in

Additional HF Specifications

Power rating	10W
Continuous power rating	20W
Rated impedance	16 ohm
Sensitivity	96dB
Frequency range	1400-20,000Hz
Recommended min. crossover 12d B/oct	2200Hz
Voice coil diameter	25mm / 1in
Magnet type	Neodymium
Diaphragm material	Silk
Surround material	Silk

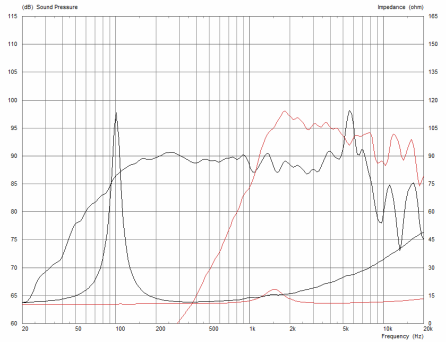
Mounting Information

Overall diameter	136x151mm / 5.4x5.9in
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	1.6kg / 3.5lb

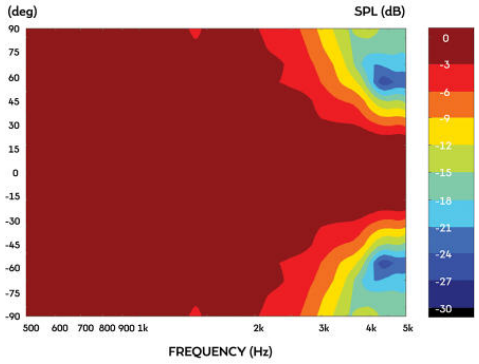
Packed Dimensions & Weight

Single pack size W x D x H	200mm x 220mm x 125mmm / 7.9in x 8.7in x 4.9in
Single pack weight	2.2kg / 4.85lb
Multi pack qty	30
Multi pack size W x D x H	750mm x 290mm x 310mm / 29.5in x 11.4in x 12.2in
Multi pack weight	50kg / 110lb

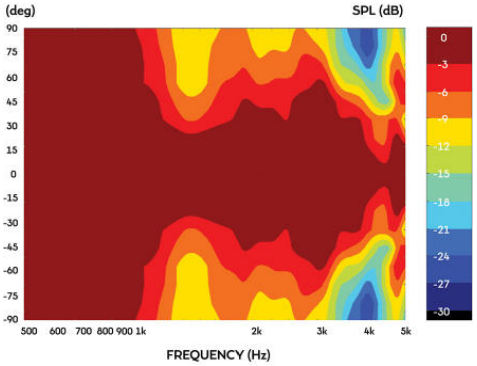
Frequency Response and Impedance Curves



LF Contour



HF Contour



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 design available online at celestion.com/speakerworld

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