CELESTION

Coaxial Loudspeakers TFX0412



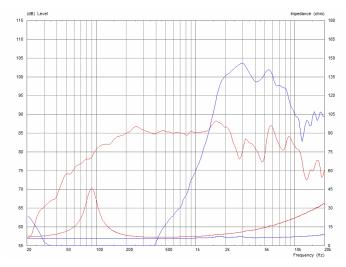
Packed Dimensions & Weight

Multi pack gtv Multi pack size W x D x H

Multi pack weight

470mm x 240mm x 205mm / x 18.5in 9.4in x 8.1in 35kg / 77lb

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 pi anechoic

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

4-inch pressed steel chassis, ferrite magnet coaxial driver

- Ferrite magnet assembly acts as common motor for both LF and HF
- Rear-mounted compression driver with polyimide diaphragm delivers HF signal
- Ferrite magnet assembly acts as a common motor for both low and high frequency coils
- Demodulation ring for reduced distortion
- Waterproof cone coating
- 80° nominal HF coverage

1.25in 1in **200W** 86dB Continuous sensitivity Copper clad power rating voice

General Specifications

Nominal Diameter 100mm / 4in 100W Power Rating Continuous power rating 200W Rated impedance 8 ohm Sensitivity 86dB Frequency range 90-4500Hz Chassis type Pressed steel Magnet type Ferrite Voice coil diameter 32mm / 1.25in Voice coil material Copper clad aluminium

Former material Polyimide Cone material

Reinforced cellulose, waterproof coating Surround material Elastomer Suspension Single

Gap height (Hg) 6mm / 0.24in VC winding height (Hvc) 11mm / 0.43in

Mounting Information

Overall diameter 126mm / 4.96in Overall depth 74.2mm / 2.9in 102mm / 4.02in Cut-out diameter 5x7mm / 0.2x0.28in Mounting hole dimensions Number of mounting holes

Mounting hole PCD 114.4mm / 4.5in Unit weight 0.6kg / 1.3lb

56.75cm2 / 8.79in2 Sd Fs 95Hz 5.8g / 0.204oz Mms 5.184 Qms 0.665 Qes Qts 0.589 5.6 ohm Re 2.18I / 0.077ft³ Vas ΒΙ 5.4Tm Cms 0.478mm/N 0.674kg/s Rms Le (at 1kHz) 0.34mH 4mm / 0.16in **Xmax**

Power rating 15W Continuous power rating 30W Rated impedance 8 ohm 107dB Sensitivity 2200-20,000Hz Frequency range Recommended min. crossover 12d 2500Hz

B/oct

Voice coil diameter 25mm / 1in

Magnet type Ferrite, common motor

Diaphragm material Polyimide Surround material Polyimide

