Coaxial Loudspeakers

FTX1025

10-inch cast aluminium chassis, ferrite magnet coaxial driver

- Ferrite magnet assembly acts as common motor for both LF and HF
- Polyimide HF diaphragm
- Demodulation ring
- 100° nominal HF coverage
- HF repair kit available

600W
Continuous power rating

96dB
sensitivity

2.5in
Edgewound clad copper voice aluminium coil

1.4in

General Specifications

Nominal Diameter	254mm / 10in
Power Rating	300W
Continuous power rating	600W
Rated impedance	8 ohm
Sensitivity	96dB
Frequency range	60-5000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	1.5kg / 54oz
Voice coil diameter	64mm / 2.5in
Voice coil material	Edgewound copper clad aluminium
Former material	Glass fibre
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	14mm / 0.55in

Parameters

Sd	346.36cm^2 / 53.69in^2
Fs	71.50Hz
Mms	32.55g / 1.15oz
Qms	2.788
Qes	0.523
Qts	0.44
Re	5.42 ohm
Vas	25.85l / 0.91ft^3
Bl	12.30Tm
Cms	0.15mm/N
Rms	5.25kg/s
Le (at 1kHz)	0.48mH
Xmax	5mm / 0.2in

Mounting Information

Overall diameter	260mm / 10.24in
Overall depth	123mm / 4.84in
Cut-out diameter	235mm / 9.25in
Mounting hole dimensions	7.5x6.5mm / 0.29x0.26in
Number of mounting holes	8
Mounting hole PCD	244-247mm / 9.6-9.7in
Unit weight	4.5kg / 9.9lb

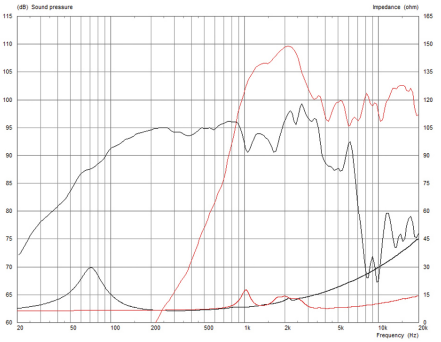
Packed Dimensions & Weight

Single pack size W x D x H	303mm x 303mm x 178mm / x 11.9in 11.9in x 7.0in
Single pack weight	5.2kg / 11.4lb
Multi pack qty	32
Multi pack size W x D x H	960mm x 1070mm x 890mm / 37.7in x 42.1in x 35.0in
Multi pack weight	175kg / 205lb

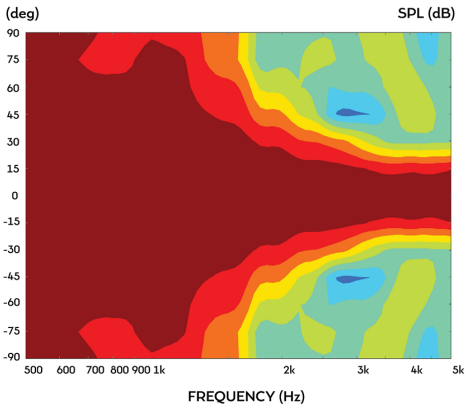
Additional HF Specifications

Power rating	40W
Continuous power rating	80W
Rated impedance	8 ohm
Sensitivity	104dB
Frequency range	1000-20,000Hz
Recommended min. crossover 12d B/oct	2000Hz
Voice coil diameter	34mm / 1.4in
Magnet type	Dual-ferrite magnet motor
Diaphragm material	Polyimide
Surround material	Polyimide

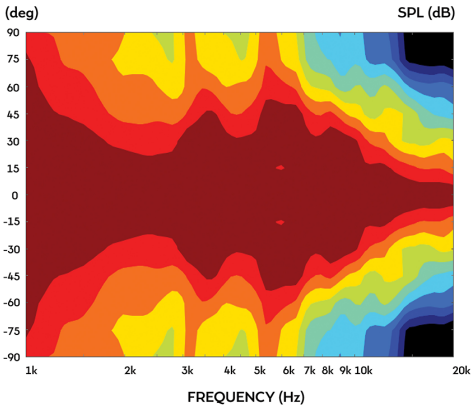
Frequency Response and Impedance Curves



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