# 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 copper clad aluminium voice 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 |

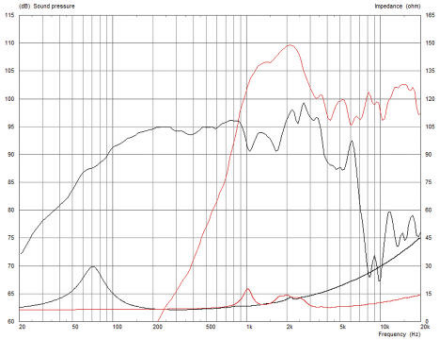
### Packed Dimensions & Weight

| | |
|---|---|
| Single pack size W x D x H | 303mm x 303mm x 178mm / 11.9in x 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 |

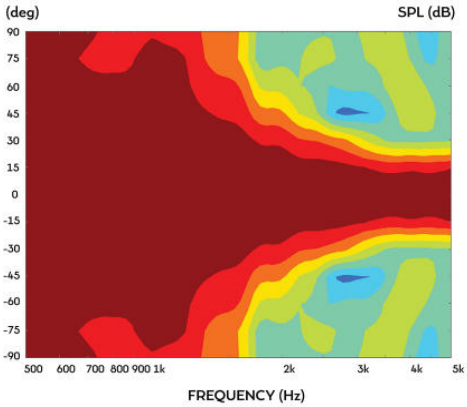
### Additional HF Specifications

| | |
|---|---|
| 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 |

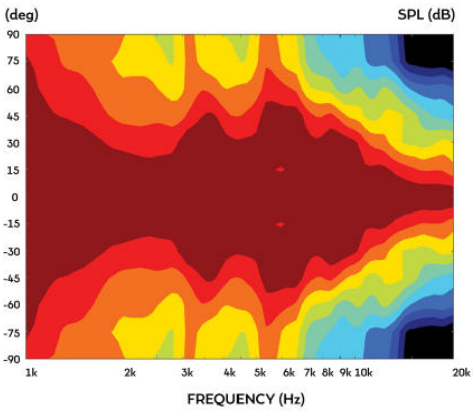
### Frequency Response and Impedance Curves



### 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**

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