

## 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                   |

#### 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           |

#### Parameters

|              |  |
|--------------|--|
| Sd           | 346.36cm <sup>2</sup> / 53.69in <sup>2</sup> |
| 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 <sup>3</sup>                 |
| Bl           | 12.30Tm                                      |
| Cms          | 0.15mm/N                                     |
| Rms          | 5.25kg/s                                     |
| Le (at 1kHz) | 0.48mH                                       |
| Xmax         | 5mm / 0.2in                                  |

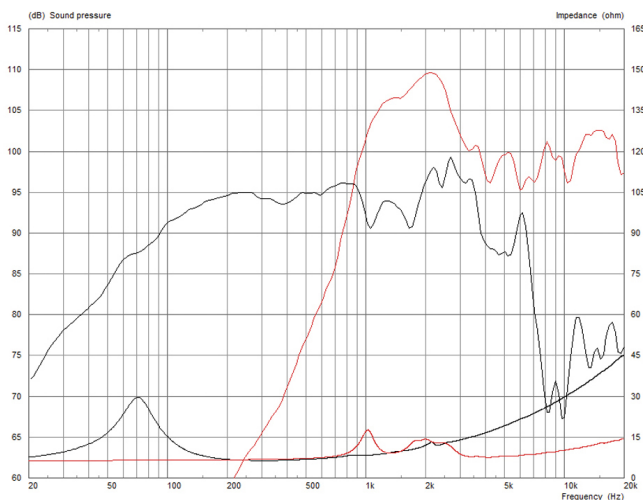
#### Additional HF Specifications

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

#### Packed Dimensions & Weight

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

#### 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:** 0.5\*(Hvc-Hg) + 0.25\*Hg

**Suggested crossover design available online at** [celestion.com/speakerworld](http://celestion.com/speakerworld)