

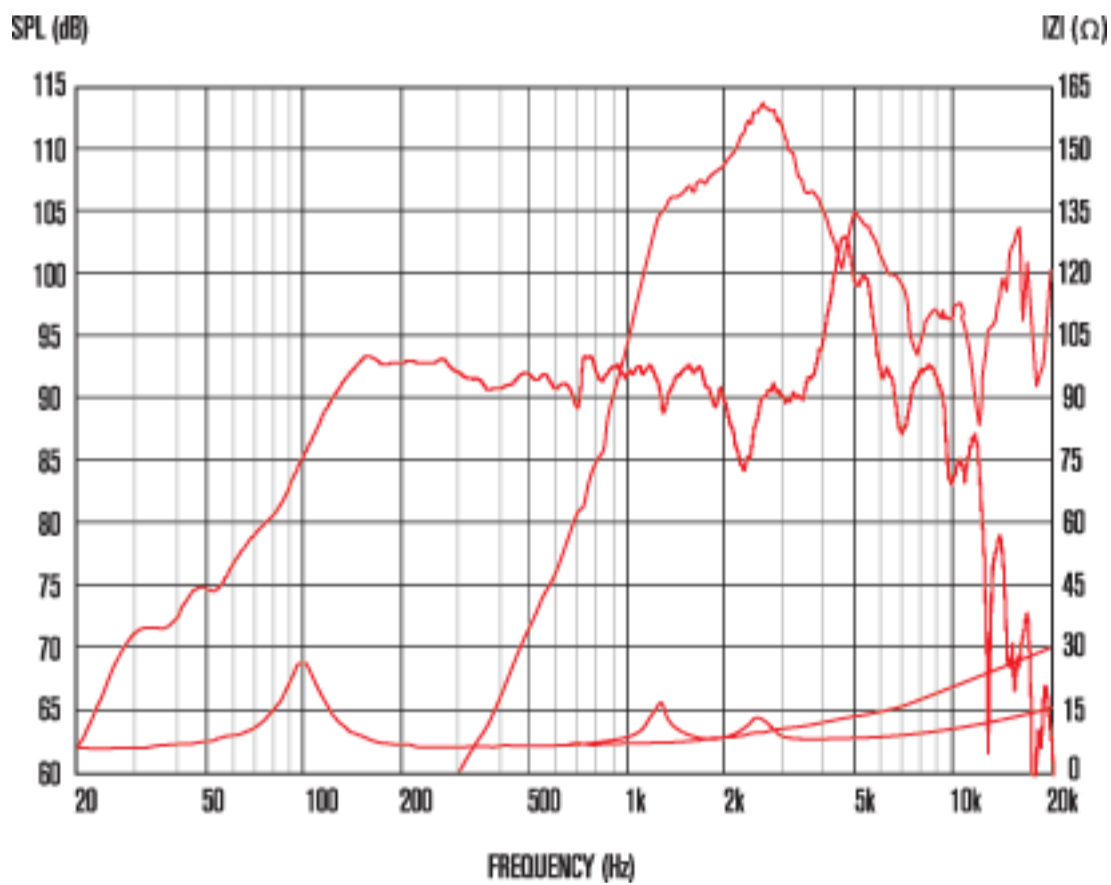
### FTX0617



#### Features

- 6.5" coaxial loudspeaker providing 150Wrms (AES standard) power handling and 92dB sensitivity
- Full range frequency response: 110 – 20,000Hz
- FEA (Finite Element Analysis) optimized ferrite magnet assembly acts as common motor for both LF and HF drivers resulting in enhanced coherence
- Robust cast aluminum chassis is designed to minimize unwanted reflections, further reducing acoustic distortion
- Demodulation ring reduces flux modulation, minimizing electromagnetic distortion
- 2" edgewound copper clad aluminum voice coil wound on high temperature glass fibre former
- 100° nominal HF coverage

#### 8 Frequency Response



- 1.
2. 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.
3. Measured on axis at 1W, 1m in 2 anechoic environment.
4. Xmax derived from: (voice coil winding width-gap depth)/2.

#### General Specifications

|                           |                                 |
|---------------------------|---------------------------------|
| Nominal diameter          | 165mm/6.5in                     |
| Power rating <sup>1</sup> | 150Wrms                         |
| Nominal impedance         | 8                               |
| Sensitivity <sup>2</sup>  | 92dB                            |
| Frequency range           | 110-4000Hz                      |
| Voice coil diameter       | 44mm/1.75in                     |
| Chassis type              | Cast Aluminium                  |
| Magnet type               | Ferrite                         |
| Magnet weight             | 0.88kg/31oz                     |
| Coil material             | Edgewound copper clad aluminium |
| Former material           | Glass fibre                     |
| Cone material             | Kevlar loaded paper             |
| Surround material         | Cloth-sealed                    |
| Suspension                | Single                          |
| Xmax <sup>3</sup>         | 2mm/0.08in                      |
| Gap depth                 | 6mm/0.24in                      |
| Voice coil winding width  | 10mm/0.4in                      |

#### Small Signal Parameters

|              |                         |
|--------------|-------------------------|
| D            | 0.14m/5.51in            |
| Fs           | 105.3Hz                 |
| Mms          | 10.94g/0.39oz           |
| Mmd          | 9.86g/0.35oz            |
| Qms          | 3.851                   |
| Qes          | 1.021                   |
| Qts          | 0.807                   |
| Re           | 5.57                    |
| Vas          | 7lt/0.25ft <sup>3</sup> |
| Bl           | 6.28Tm                  |
| Cms          | 0.209mm/N               |
| Rms          | 1.88kg/s                |
| Le (at 1kHz) | 0.28mH                  |

#### General Specifications: HF

|                                       |               |
|---------------------------------------|---------------|
| Power rating <sup>1</sup> ;           | 40Wrms        |
| Nominal impedance                     | 8             |
| Sensitivity <sup>2</sup> ;            | 103dB         |
| Frequency range                       | 1500-20,000Hz |
| Recommended min. crossover (12dB/oct) | 2200Hz        |
| Voice coil diameter                   | 34mm/1.4in    |
| Diaphragm and surround material       | Polyimide     |

#### Mounting Information

|                          |                           |
|--------------------------|---------------------------|
| Overall depth            | 93mm/3.66in               |
| Cut-out diameter         | 150mm/5.9in               |
| Mounting slot dimensions | 6.5mmx5.5mm/0.26inx0.22in |
| Number of mounting slots | 4                         |
| Mounting PCD range       | 173.5mm/6.83in            |
| Unit weight              | 3kg/6.6lb                 |