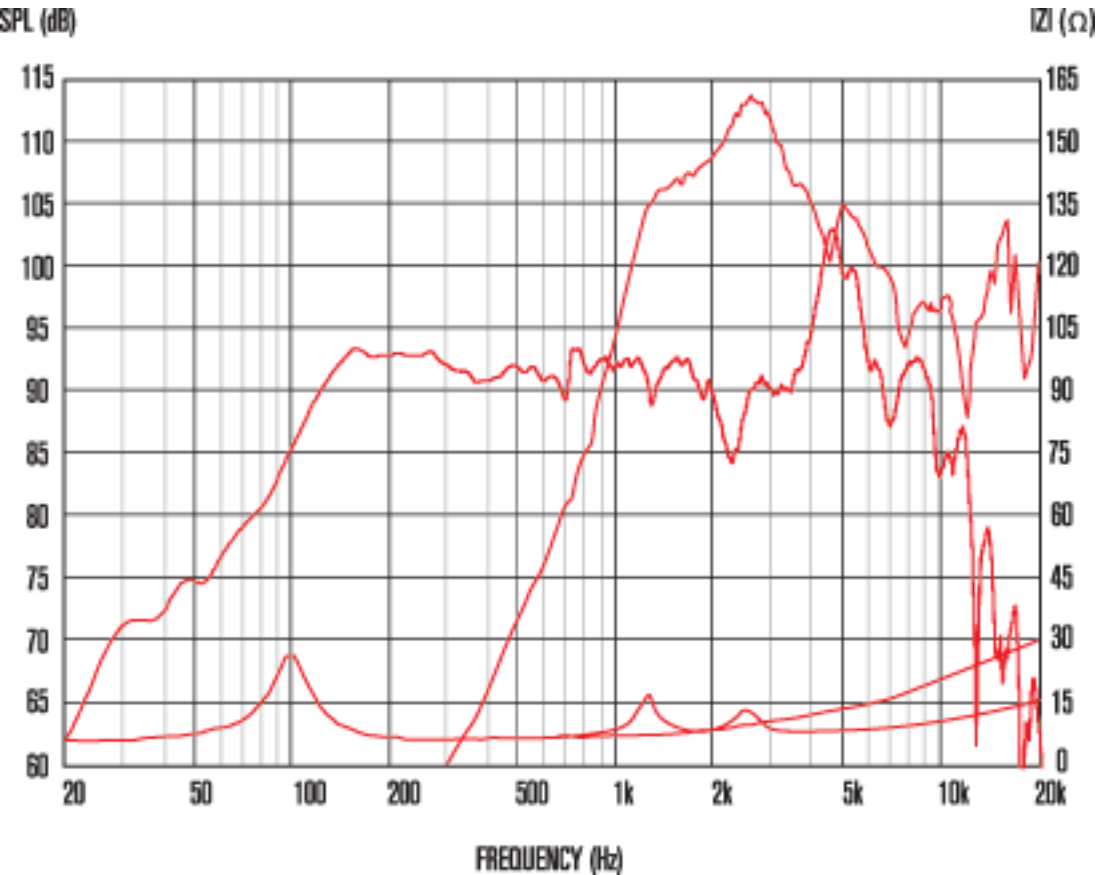


FTX0617



- 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

| | |
|---------------------------|---------------------------------|
| Size | 165mm/6.5in |
| Power rating ¹ | 150Wrms |
| Nominal impedance | 8 |
| Sensitivity ² | 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 ³ | 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 |
| Qms | 3.851 |
| Qes | 1.021 |
| Mmd | 9.86g/0.35oz |
| Qts | 0.807 |
| Re | 5.57Ω; |
| Vas | 7lt/0.25ft3 |
| Bl | 6.28Tm |
| Cms | 0.209mm/N |
| Rms | 1.88kg/s |
| Le (at 1kHz) | 0.28mH |

General Specifications: HF

| | |
|---------------------------------------|------------|
| Power rating¹ | 40Wrms |
| Nominal impedance | 8Ω; |
| Sensitivity² | 103dB |
| Frequency range | 103dB |
| Recommended min. crossover (12dB/oct) | 2200Hz |
| Voice coil diameter | 34mm/1.4in |
| Diaphragm and surround material | Polyimide |

Mounting Information

| | |
|--------------------------|---------------------------|
| Diameter | |
| 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 |