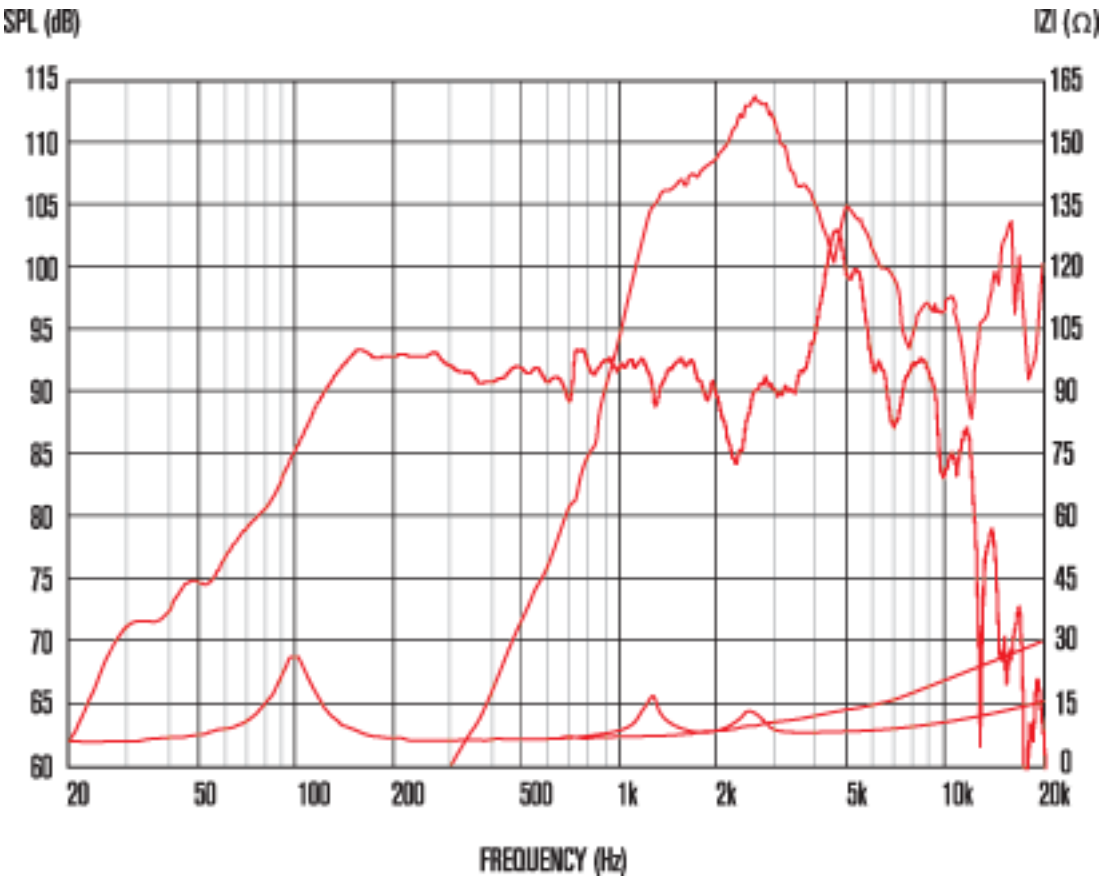
Coaxial/Twin Cone

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 Ω Frequency Response



General Specifications

Nominal diameter	165mm/6.5in
Power rating [1]	150Wrms
Nominal impedance	8 Ω
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
Mmd	9.86g/0.35oz
Qms	3.851
Qes	1.021
Qts	0.807
Re	5.57 Ω
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	8
Sensitivity²	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

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.

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