

## Coaxial/Twin Cone

#### FTX0820

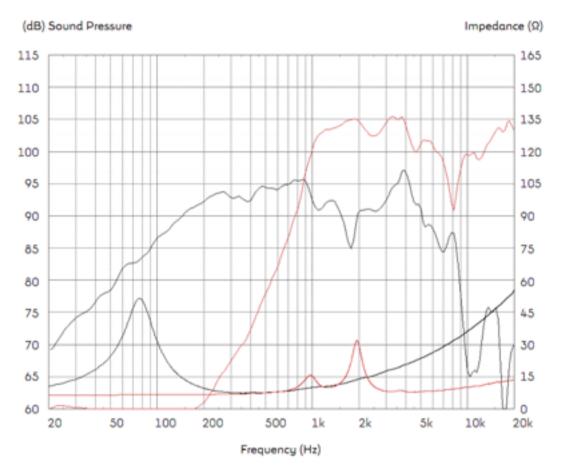






- Ferrite magnet assembly acts as common motor for both LF and HF
- Polyimide HF diaphragm
- Demodulation ring
- 100° nominal HF coverage
- HF repair kit available

#### 8 Frequency Response



Black: LF response curve | Red: HF response curve

- 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.
- 2. Continuous Power rating is defined as 3dB greater than the AES rating
- 3. Measured on axis at 1W, 1m in 2Î anechoic environment.
- 4. Xmax derived from: (voice coil winding width-gap depth)/2.
- 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
- 6. Continuous Power Handling is defined as 3dB greater than the AES rating

#### **General Specifications**

Size	200mm/8in
Power rating <sup>1</sup>	200Wrms
Continuous power rating <sup>2</sup>	400W
Nominal impedance	8
Sensitivity <sup>2</sup>	94dB
Frequency range	70-5,000Hz
Voice coil diameter	50mm/2in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet weight	1.5kg/54oz
Coil material	Edgewound copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax 4	2mm/0.8in
Gap depth	8mm/0.31in
Voice coil winding width	12mm/0.47in

### **Small Signal Parameters**

D	0.17m/6.69in
Fs	78.8Hz
Mms	22.66g/0.8.0oz
Qms	2.8
Qes	0.31
Mmd	19.19g/0.68oz
Qts	0.279
Re	5.85
Vas	13.13I/0.46ft3
ВІ	14.56Tm
Cms	0.18mm/N
Rms	4.01kg/s
Le (at 1kHz)	0.62mH

# **General Specifications: HF**

Power rating	J <sup>1</sup>	40Wrms
Continuous	power rating 6	80W
Nominal imp	edance	8Ω
Sensitivity		103dB
Frequency ra	ange	1,500-20,000Hz
Recommend	ded min. crossover (12dB/oc	2,200Hz
Magnet type		Dual ferrite magnet motor
Voice coil dia	ameter	34mm/1.4in
Diaphragm a	and surround material	Polyimide

### **Mounting Information**

Diameter	225mm
	/8.6in (octagonal profile)
Overall depth	123mm/4.8in
Cut-out diameter	187mm/7.36in
Mounting slot dimensions	Ø6.5mm/0.26in
Number of mounting slots	8
Mounting PCD range	210mm/8.27in
Unit weight	4.1kg/9.0lb

#### **Packed Dimensions & Weight**

Single pack size W x D x H 238mm x 238mm x 148mm

/9.3in x 9.3in x 5.8in

Single pack weight 4.7kg/10.3lb

