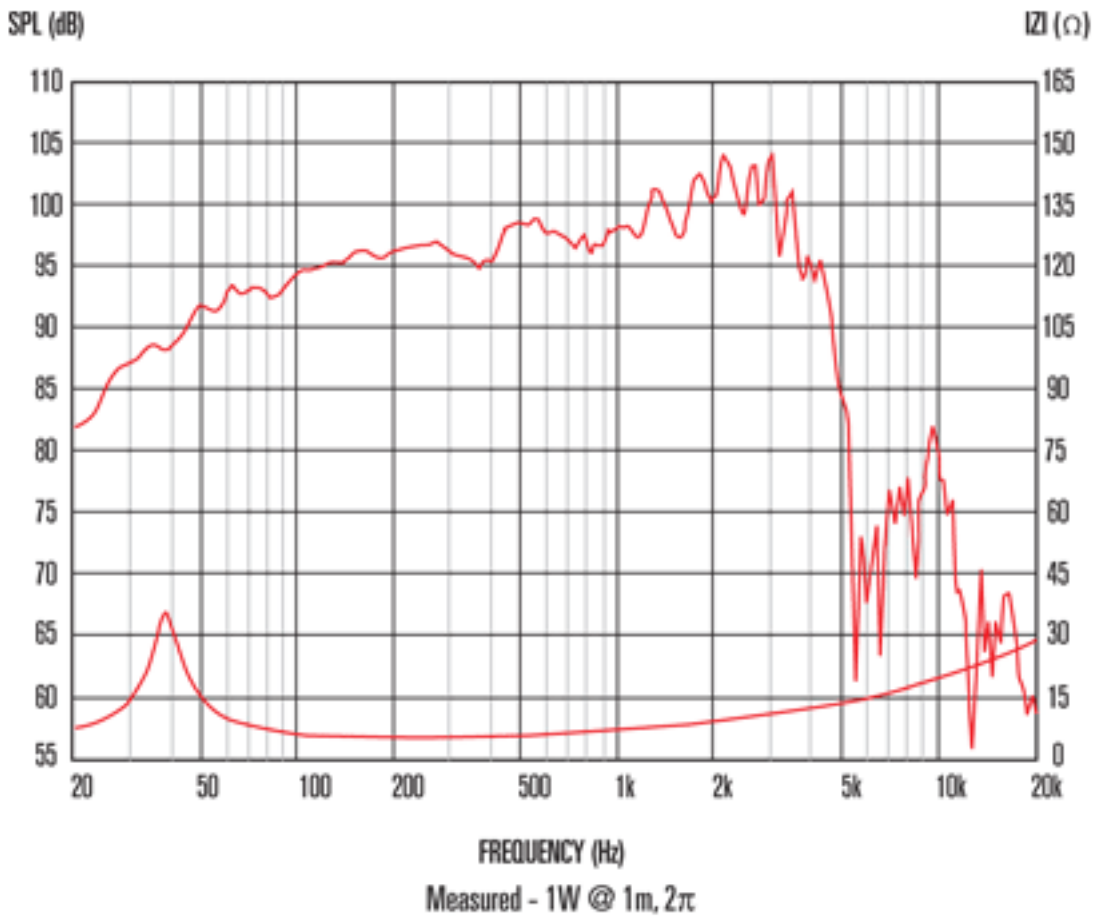
LF Cast Chassis / Ferrite

FTR15-4080FD

Features

- 15" ferrite woofer provides 1000Wrms power handling (AES Standard) and 97dB sensitivity
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- FlexirolTM surround for greater excursion control
- Double suspension for exceptional linearity at the highest excursions
- Low frequency response, down to 35Hz
- Smart chassis design minimises acoustic distortion

8 Ω Frequency Response



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

General Specifications

Nominal diameter	381mm/15in
Power rating [1]	1000Wrms
Nominal impedance	8 Ω
Sensitivity [2]	97dB
Frequency range	35-2500Hz
Voice coil diameter	100mm/4in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet weight	3.1kg/110oz
Coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper with weather-resistant impregnation
Surround material	Cloth-sealed
Suspension	Double
Xmax [3]	6mm/0.24in
Gap depth	10mm/0.39in
Voice coil winding width	22mm/0.87in

Small Signal Parameters

D	0.33m/12.99in
Fs	34.3Hz
Mms	126.39g/4.46oz
Mmd	112.24g/3.96oz
Qms	3.27
Qes	0.27
Qts	0.25
Re	5.37 Ω
Vas	140.0lt/4.94ft3
Bl	22.89Tm
Cms	0.17mm/N
Rms	8.162kg/s
Le (at 1kHz)	1.38mH

Mounting Information

Diameter	385mm/15.16in
Overall depth	170mm/6.69in
Cut-out diameter	351mm/13.82in
Mounting slot dimensions	10mm x 7mm/0.39in x 0.27in
Number of mounting slots	8
Mounting PCD range	365-375mm/14.37-14.76in
Unit weight	9.5kg/20.9lb

Packed Dimensions & Weight

Single pack size W x D x H	435mm x 435mm x 200mm /17.1in x 17.1in x 7.9in
Single pack weight	10.8kg/23.8lb
Multipack (36) size W x D x H	1200mm x 1000mm x 980mm /47.2in x 39.4in x 38.6in
Multipack (36) weight	390kg/860lb

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom