

FTR15-4080FD

Ferrite magnet cast aluminium chassis driver

General Specifications

Nominal diameter	381mm/15in
Power rating ¹	1000Wrms
Nominal impedance	8Ω
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	5.37Ω
Vas	140.0lt/4.94ft ³
Bl	22.89Tm
Cms	0.17mm/N
Rms	8.162kg/s
Le (at 1kHz)	1.38mH

Mounting Information

Overall diameter	387mm/15.24in
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

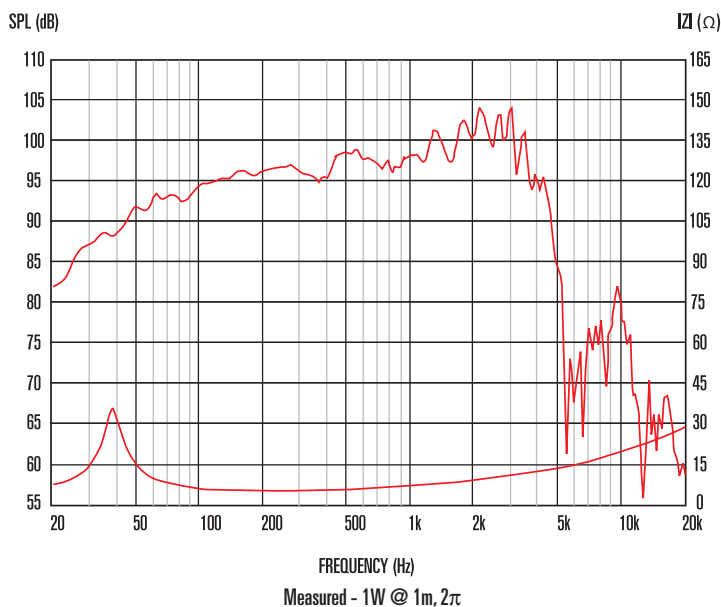
Single pack size W x D x H	435mm x 435mm x 200mm
	/17.1in x 17.1in x 7.9in
Single pack weight	10.8kg/23.8lb
Multi pack (36) size W x D x H	1200mm x 1000mm x 980mm
	/47.2in x 39.4in x 38.6in
Multi pack (36) weight	390kg/860lb



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
- Flexirol™ 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

Frequency Response and Impedance Curves



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 2π anechoic environment.
 3. Xmax derived from: (voice coil winding width-gap depth)/2.