

FTR15-3070E

Ferrite magnet cast aluminium chassis driver

General Specifications

Nominal diameter	381mm/15in
Power rating ¹	400Wrms
Nominal impedance	8Ω
Sensitivity ²	97dB
Frequency range	40-4000Hz
Voice coil diameter	75mm/3in
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	2.3kg/81oz
Cone material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper with weather-resistant impregnation
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	5.5mm/0.22in
Gap depth	9mm/0.35in
Voice coil winding width	20mm/0.79in

Small Signal Parameters⁴

D	0.33m/8.38in
Fs	45.3Hz
Mms	88.69g/3.13oz
Mmd	74.54g/2.63oz
Qms	3.07
Qes	0.46
Qts	0.40
Re	5.36Ω
Vas	143.85lt/5.08ft ³
Bl	17.24Tm
Cms	0.14mm/N
Rms	8.22kg/s
Le (at 1kHz)	1.3mH

Mounting Information

Overall diameter	387mm/15.24in
Overall depth	161mm/6.34in
Cut-out diameter	351mm/13.82in
Mounting slot dimensions	10mm x 7mm/0.39in x 0.27in
Number of mounting slots	8
Mounting slot PCD range	365-375mm/14.37-14.76in
Unit weight	6.4kg/14.1lb

Packed Dimensions & Weight

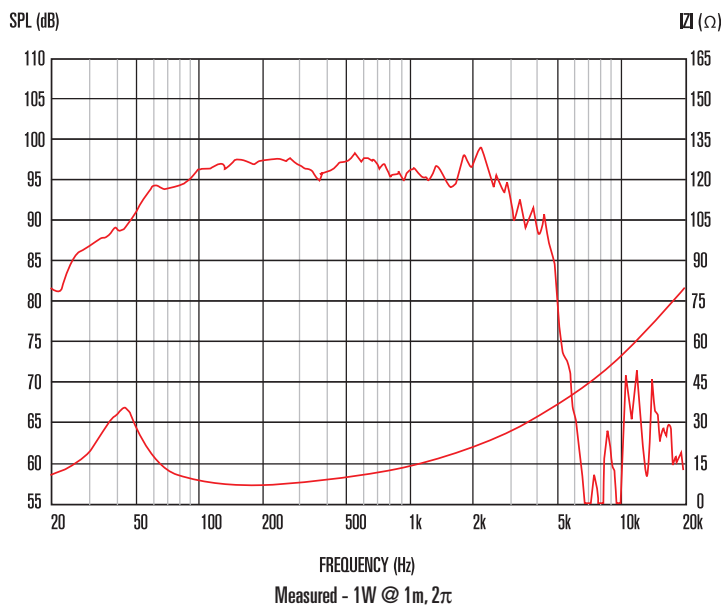
Single pack size W x D x H	435mm x 435mm x 200mm
	/17.1in x 17.1in x 7.9in
Single pack weight	7.7kg/17.0lb
Multipack (36) size W x D x H	1210mm x 1050mm x 980mm
	/47.6in x 41.3in x 35.4in
Multipack (36) weight	278kg/613lb



Features

- 15" ferrite woofer provides 400Wrms power handling (AES Standard) and 97dB sensitivity
- 3" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- Flexirol™ surround for greater excursion control
- Low frequency response, down to 40Hz
- Smart chassis design minimises acoustic distortion
- Specially treated weather-resistant cone

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.
 4. Small signal parameters measured after unit subjected to pre-conditioning signal.