

FTR08-2011D

Ferrite magnet cast aluminium chassis driver

General Specifications

Nominal diameter	200mm/8in
Power rating ¹	200Wrms
Nominal impedance	8Ω
Sensitivity ²	93dB
Frequency range	70-6000Hz
Voice coil diameter	50mm/2in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	3.5mm/0.137in
Gap depth	8mm/0.31in
Voice coil winding width	15mm/0.59in

Small Signal Parameters

D	0.17m/6.69in
Fs	88.4Hz
Mms	26.94g/0.95oz
Mmd	25.01g/0.88oz
Qms	2.594
Qes	0.572
Qts	0.469
Re	5.74Ω
Vas	8.77lt/0.30ft ³
Bl	12.26Tm
Cms	0.12mm/N
Rms	5.769kg/s
Le (at 1kHz)	0.39mH

Mounting Information

Diameter	225mm/8.8in
Overall depth	102mm/4.0in
Cut-out diameter	187mm/7.4in
Mounting slot dimensions	Ø6.5mm/0.26in
Number of mounting slots	8
Mounting PCD range	210mm/8.3in
Unit weight	3.65kg/8.0lb

Packed Dimensions and Weight

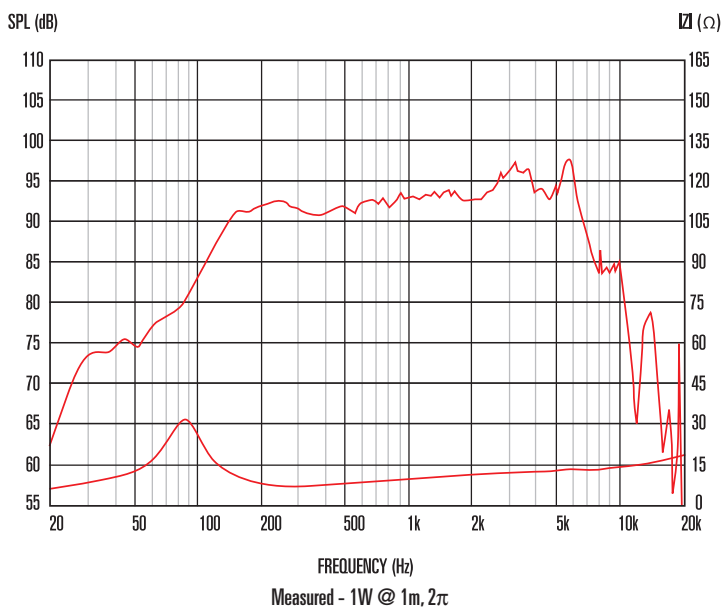
Single pack size W x D x H	226mm x 226mm x 130mm
	8.9in x 8.9in x 5.1in
Single pack weight	3.8kg/8.4lb
Multipack (8) size W x D x H	470mm x 450mm x 270mm
	18.5in x 17.7in x 10.6in
Multipack (8) weight	31kg/68.3lb



Features

- 8" ferrite magnet driver providing 200Wrms (AES standard) power handling and 93dB sensitivity
- 2" high temperature copper voice coil
- Suitable for line array applications, utilizing a space-efficient octagonal chassis profile
- Optimized flux distribution in magnet assembly provides low harmonic distortion
- "M-Roll" surround provides progressive excursion control, generating a smooth frequency response
- Intelligent heat management in both chassis and magnet assembly design offers reduced thermal compression

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.