



TF1225

Ferrite magnet steel chassis driver

General Specifications

Nominal diameter	305mm/12in
Power rating ¹	250Wrms
Nominal impedance	8Ω
Sensitivity ²	97dB
Frequency range	50-4000Hz
Voice coil diameter	64mm/2.5in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.2kg/42oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	2.5mm/0.1in
Gap depth	8mm/0.31in
Voice coil winding width	13mm/0.51in

Small Signal Parameters

D	0.26m/10.24in
Fs	63Hz
Mms	46.51g/1.64oz
Mmd	39.60g/1.40oz
Qms	6.70
Qes	0.54
Qts	0.50
Re	5.13Ω
Vas	54.5lt/1.92ft ³
Bl	13.20Tm
Cms	0.14mm/N
Rms	2.76kg/s
Le (at 1kHz)	0.84mH

Mounting Information

Overall diameter	309mm/12.17in
Overall depth	130mm/5.12in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	Ø 7.9/0.31
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	4.1kg/9.0lb

Packed Dimensions & Weight

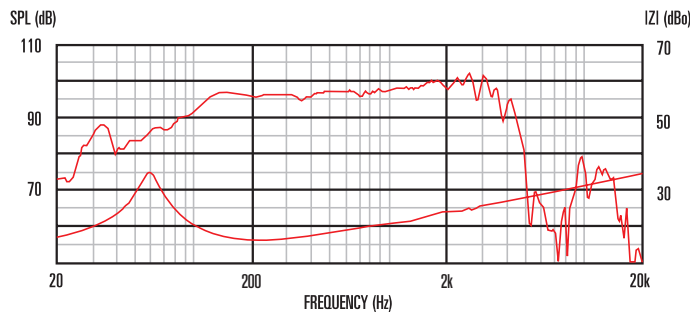
Single pack size W x D x H	330mm x 330mm x 150mm
	/13.0in x 13.0in x 5.9in
Single pack weight	5kg/11lb
Multi pack (60) size W x D x H	1080mm x 980mm x 880mm
	/42.5in x 38.6in x 34.6in
Multi pack (60) weight	290kg/638lb



Features

- 12" Bass and mid-range driver providing 97dB sensitivity and 250Wrms (AES standard) power handling
- 2.5" high temperature copper voice coil wound on polyimide for increased reliability
- Optimised ferrite magnet design reduces weight
- Double roll surround for greater excursion control
- For use in 2-way or compact 3-way systems

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

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.