



# TF1225e

Ferrite magnet steel chassis driver

## General Specifications

Nominal diameter	305mm/12in
Power rating <sup>1</sup>	300Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	96dB
Frequency range	50-3000Hz
Voice coil diameter	64mm/2.5in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.4kg/50oz
Coil material	Edgewound copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	3.5mm/0.14in
Gap depth	8mm/0.31in
Voice coil winding width	14.5mm/0.57in

## Small Signal Parameters

D	0.26m/10.24in
Fs	61.2Hz
Mms	53.24g/1.88oz
Mmd	46.31g/1.63oz
Qms	4.80
Qes	0.44
Qts	0.40
Re	5.07Ω
Vas	50.6lt/1.79ft <sup>3</sup>
Bl	15.41Tm
Cms	0.13mm/N
Rms	4.27kg/s
Le (at 1kHz)	1.1mH

## Mounting Information

Overall diameter	309mm/12.17in
Overall depth	139mm/5.47in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	Ø 7.9mm/0.31in
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	4.4kg/9.7lb

## Packed Dimensions & Weight

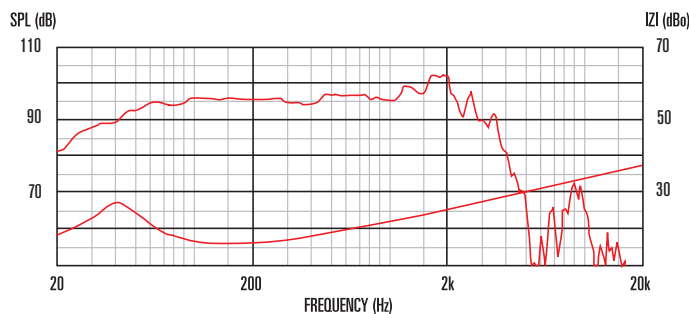
Single pack size W x D x H	330mm x 330mm x 150mm
	/13.0in x 13.0in x 5.9in
Single pack weight	5kg/11lb
Multi pack (60) size W x D x H	1080mm x 980mm x 880mm
	/42.5in x 38.6in x 34.6in
Multi pack (60) weight	290kg/638lb



## Features

- 12" Bass and mid-range driver with extended low frequency response
- 2.5" edgewound voice coil provides 96dB sensitivity and 300Wrms (AES standard) power handling
- Kevlar-loaded cone with sealed surround and damping for reduced distortion
- Double roll surround for greater excursion control
- Suitable for use in 2-way and 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.