



# TF1230

Ferrite magnet steel chasis driver

## General Specifications:

Nominal diameter	305mm/12in
Power rating <sup>1</sup>	350Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	94dB
Frequency range	45-3000Hz
Voice coil diameter	75mm/3in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.4kg/48oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	5mm/0.19in
Gap depth	8mm/0.24in
Voice coil winding width	17.5mm/0.69in

## Small Signal Parameters

D	0.26m/0.24in
Fs	56.9Hz
Mms	58.59g/2.07oz
Mmd	51.68g/1.82oz
Qms	2.411
Qes	0.615
Qts	0.490
Re	5.18Ω
Vas	53.3lt/1.88ft <sup>3</sup>
Bl	13.29Tm
Cms	0.133mm/N
Rms	8.69kg/s
Le (at 1kHz)	1.20mH

## Mounting Information

Overall diameter	309mm/12.17in
Overall depth	140mm/5.5in
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	4.3kg/9.46lb

## Packed Dimensions & Weight

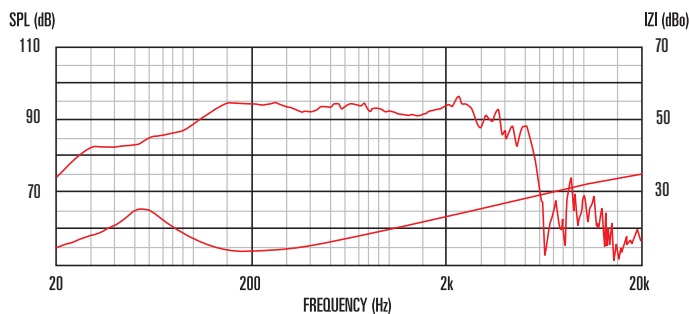
Multi pack (60) size W x D x H	1080mm x 980mm x 880mm
	/42.5in x 38.6in x 34.6in
Multi pack (60) weight	190kg/419lb



## Features

- **12" Bass and mid-range driver providing 94dB sensitivity and 350Wrms (AES standard) power handling**
- **3" high temperature copper voice coil wound on polyimide for increased reliability**
- **Kevlar-loaded cone with sealed surround and damping for reduced distortion.**
- **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.