



# TF1218TC

Ferrite magnet steel chassis driver

## General Specifications

Nominal diameter	305mm/12in
Power rating <sup>1</sup>	100Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	98dB
Frequency range	50-8000Hz
Voice coil diameter	45mm/1.75in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.4kg/50oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	1.5mm/0.06in
Gap depth	8mm/0.31in
Voice coil winding width	11mm/0.39in

## Small Signal Parameters

D	0.26m/10.24in
Fs	74.1Hz
Mms	38.34g/1.35oz
Mmd	31.42g/1.10oz
Qms	2.992
Qes	0.537
Qts	0.455
Re	5.48Ω
Vas	48.05ft <sup>3</sup> /1.69ft <sup>3</sup>
Bl	13.49Tm
Cms	0.12mm/N
Rms	5.96kg/s
Le (at 1kHz)	0.65mH

## Mounting Information

Overall diameter	309mm/12.17in
Overall depth	125mm/4.92in
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	4.7kg/10.4lb

## Packed Dimensions & Weight

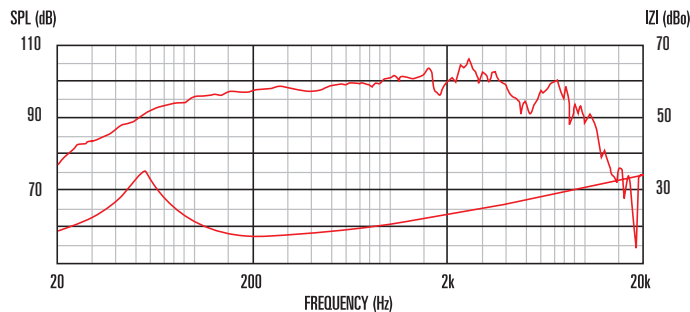
Single pack size W x D x H	330mm x 330mm x 150mm
	/13.0in x 13.0in x 5.9in
Single pack weight	4kg/8.8lb
Multi pack (60) size W x D x H	1080mm x 980mm x 880mm
	/42.5in x 38.6in x 34.6in
Multi pack (60) weight	250kg/551lb



## Features

- Full range 12" twin cone drive unit with 98dB sensitivity and an extended high frequency response
- 100Wrms (AES standard) power handling
- 1.75" high temperature copper voice coil wound on polyimide for increased reliability
- Vented magnet assembly for enhanced cooling
- Double roll surround for greater excursion control
- A cost-effective solution for full range system design

## 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.