

# TF1230

Ferrite magnet pressed steel chassis 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

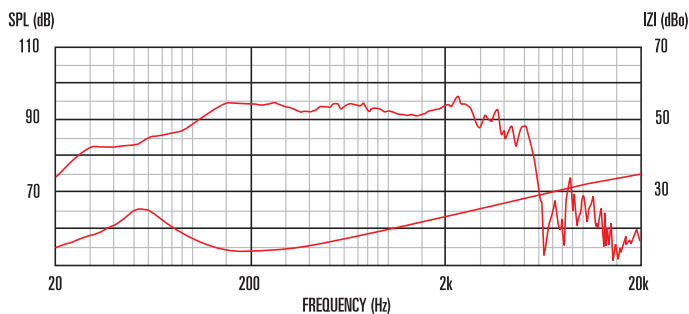
|                                |                           |
|--------------------------------|---------------------------|
| Multi pack (60) size W x D x H | 1080mm x 980mm x 880mm    |
|                                | /42.5in x 38.6in x 34.6in |
| Multi pack (60) weight         | 190kg/419lb  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



## Features

- 12" Bass 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
- Vented magnet assembly for enhanced cooling
- 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.