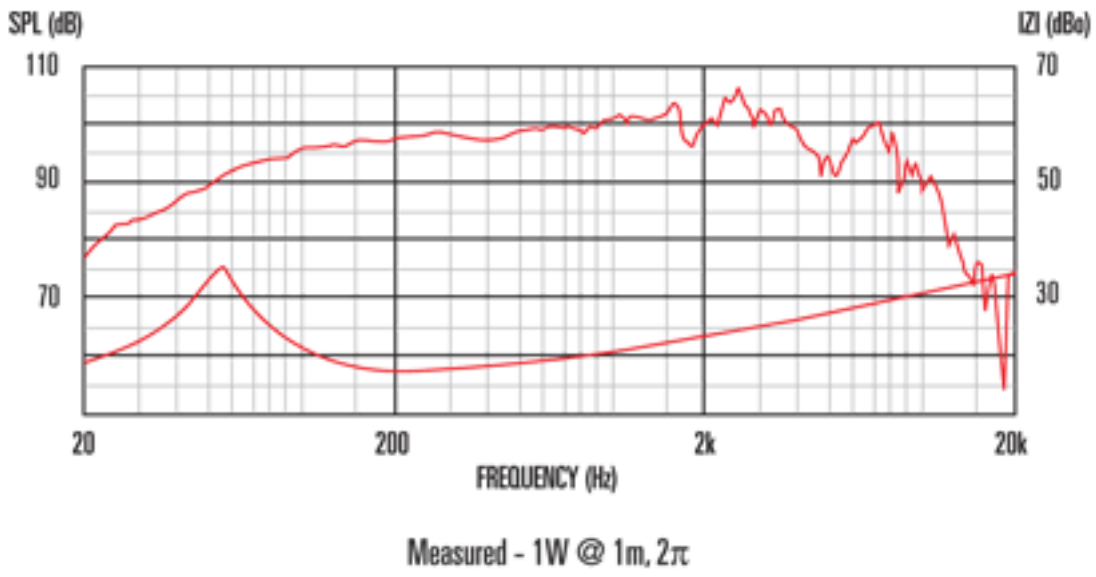
# Coaxial/Twin Cone

## TF1218TC

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

**8 Ω Frequency Response**




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 2  anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

### General Specifications

| | |
|---|---|
| Nominal diameter | 305mm/12in |
| Power rating [1] | 100Wrms |
| Nominal impedance | 8 Ω |
| Sensitivity [2] | 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 [3] | 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 | 5.48 Ω |
| Vas | 48.05lt/1.69ft3 |
| Bl | 13.49Tm |
| Cms | 0.12mm/N |
| Rms | 5.96kg/s |
| Le (at 1kHz) | 0.65mH |

### Mounting Information

| | |
|---|---|
| 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 |
| Multipack (60) size W x D x H | 1080mmx980mmx880mm /42.5in x 38.6in x 34.6in |
| Multipack (60) weight | 250kg/551lb |

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