

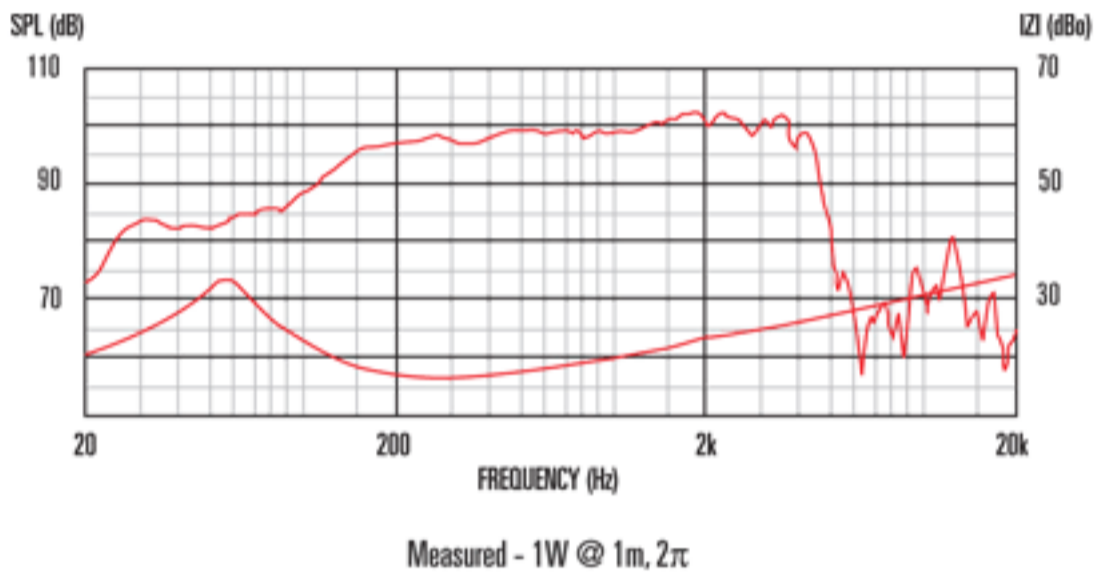
TN1225



Features

- 12" Bass/mid-range neodymium driver providing 97dB sensitivity and 250Wrms (AES standard) continuous power handling
- 2.5" high-temperature copper voice coil wound on polyimide for increased reliability
- Features compact and lightweight neodymium magnet assembly
- Smart use of venting and specially designed heatsink for reduced thermal compression
- Effective flux management enables increased sensitivity

8 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 $\bar{1}$ anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.
4. Small signal parameters measured after unit subjected to pre-conditioning signal.

General Specifications

| | |
|---------------------------|---------------------|
| Nominal diameter | 305mm/12in |
| Power rating ¹ | 250Wrms |
| Sensitivity ² | 97dB |
| Nominal impedance | 8 |
| Frequency range | 50-4000Hz |
| Voice coil diameter | 64mm/2.5in |
| Chassis type | Pressed steel |
| Magnet type | Neodymium |
| Coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax ³ | 2.5mm/0.099in |
| Gap depth | 8mm/0.32in |
| Voice coil winding width | 13mm/0.51in |

Small Signal Parameters ⁴

| | |
|--------------|-----------------------------|
| D | 0.26m/10.24in |
| Fs | 60.5Hz |
| Mms | 51.15g/1.81oz |
| Qms | 3.03 |
| Qes | 0.37 |
| Mmd | 44.23g/1.74oz |
| Qts | 0.33 |
| Re | 5.18 Ω |
| Vas | 53.92lt/1.90ft ³ |
| Bl | 16.48Tm |
| Cms | 0.14mm/N |
| Rms | 6.43kg/s |
| Le (at 1kHz) | 0.63mH |

Mounting Information

| | |
|--------------------------|---------------|
| Overall diameter | 309mm/12.17in |
| Overall depth | 132mm/5.20in |
| Cut-out diameter | 283mm/11.14in |
| Mounting slot dimensions | 7.9mm/0.31in |
| Number of mounting slots | 4 |
| Mounting PCD range | 297mm/11.69in |
| Unit weight | 2.0kg/4.4lb |

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 | 2.4kg/5.3lb |
| Multi pack size W x D x H | 1008mmx980mmx860mm /39.7in x 38.6in x 33.9in |
| Multi pack weight | 146kg/322lb |