

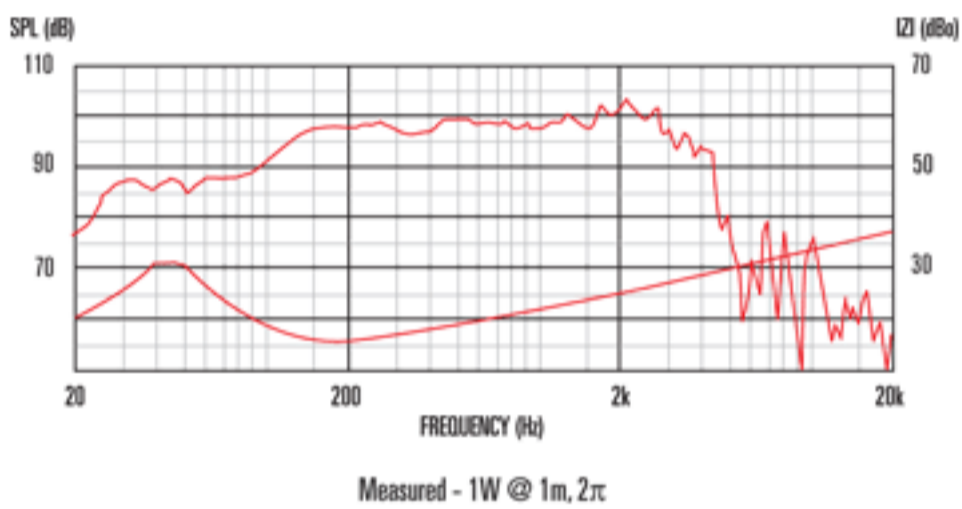
TN1530



Features

- 15" Mid/Bass driver offering 98dB sensitivity and 300Wrms (AES standard) power handling
- 3" high-temperature copper voice coil wound on polyimide for increased reliability
- FEA optimised compact and lightweight neodymium magnet assembly
- "M-Roll" surround provides progressive excursion control yielding a smooth response at extremes of frequency range
- 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^l 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 | 381mm/15in |
| Power rating ¹ | 300Wrms |
| Sensitivity ² | 98dB |
| Nominal impedance | 8 |
| Frequency range | 40-3000Hz |
| Voice coil diameter | 75mm/3in |
| 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 | 3.75mm/0.148in |
| Gap depth | 10mm/0.39in |
| Voice coil winding width | 17.5mm/0.69in |

Small Signal Parameters ⁴

| | |
|--------------|------------------------------|
| D | 0.33m/12.99in |
| Fs | 47.6Hz |
| Mms | 99.0g/3.49oz |
| Qms | 3.147 |
| Qes | 0.445 |
| Mmd | 84.85g/2.99oz |
| Qts | 0.390 |
| Re | 5.18Ω |
| Vas | 117.02lt/4.13ft ³ |
| Bl | 18.57Tm |
| Cms | 0.113mm/N |
| Rms | 9.404kg/s |
| Le (at 1kHz) | 1.03mH |

Mounting Information

| | |
|--------------------------|-------------------------------|
| Overall diameter | 385mm/15.16in |
| Overall depth | 160mm/6.30in |
| Cut-out diameter | 352mm/13.86in |
| Mounting slot dimensions | 9.2mm x 6.2mm/0.36in x 0.24in |
| Number of mounting slots | 8 |
| Mounting PCD range | 369mm/14.53in |
| Unit weight | 2.8kg/6.2lb |

Packed Dimensions & Weight

| | |
|----------------------------|---------------------------------------------------|
| Single pack size W x D x H | 410mm x 410mm x 180mm /16.1in x 16.1in x 7.1in |
| Single pack weight | 3.0kg/6.6lb |
| Multi pack size W x D x H | 1200mmx1000mmx980mm |
| Multi pack weight | 140kg/309lb |