

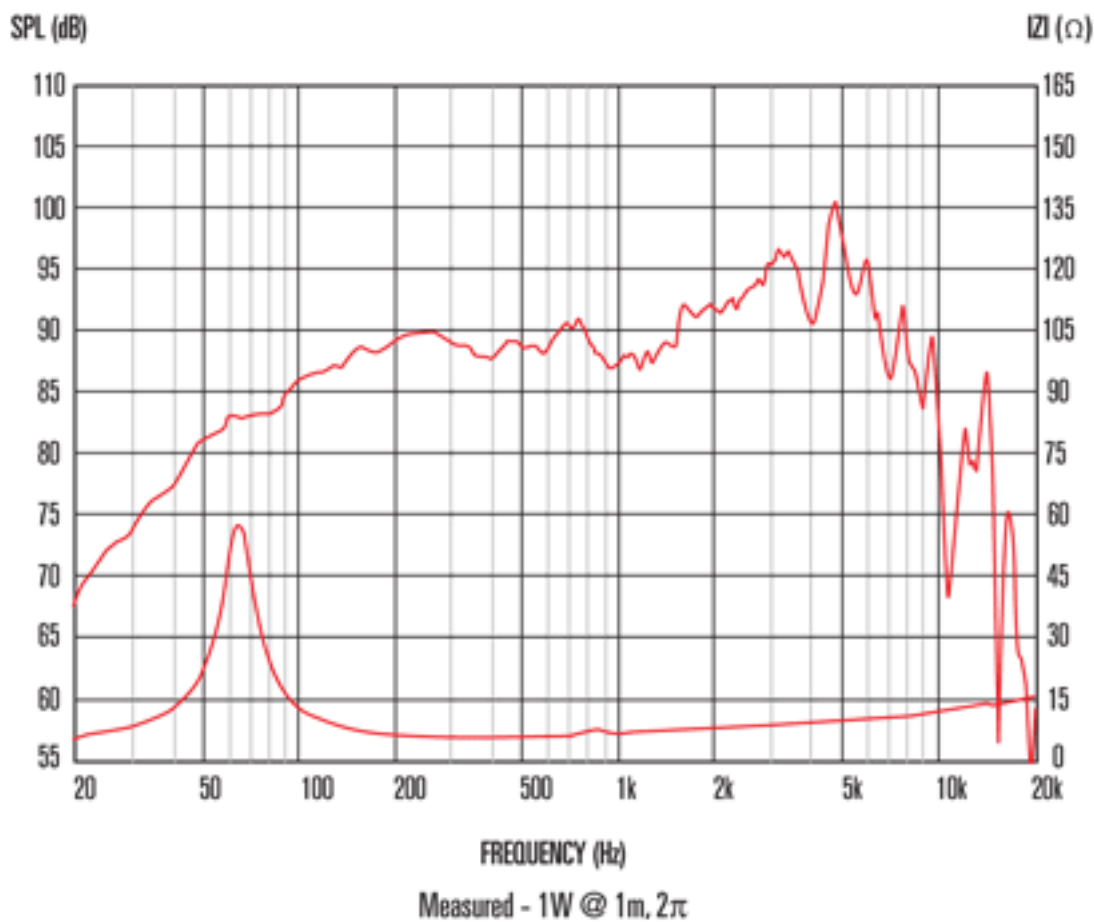
NTR06-1705D



Features

- 6.5" neodymium magnet woofer providing 150Wrms (AES standard) power handling and 90dB sensitivity
- 1.75" high temperature copper clad aluminium voice coil
- Optimized flux distribution in magnet assembly provides low harmonic distortion
- Half-roll elastomer surround provides greater excursion and improved modal distribution
- Intelligent heat management in both chassis and magnet assembly design offers reduced thermal compression
- Copper sleeved pole reduces inductive rise for improved HF performance
- Space efficient chassis profile

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 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 | 165mm/6.5in |
| Power rating ¹ | 150Wrms |
| Nominal impedance | 8 |
| Sensitivity ² | 90dB |
| Frequency range | 70-7000Hz |
| Voice coil diameter | 45mm/1.75in |
| Chassis type | Cast aluminium |
| Magnet type | Neodymium |
| Coil material | Copper clad aluminium |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Elastomer |
| Suspension | Single |
| Xmax ³ | 4.5mm/0.18in |
| Gap depth | 6mm/0.24in |
| Voice coil winding width | 15mm/0.63in |

Small Signal Parameters ⁴

| | |
|--------------|-----------------------------|
| Fs | 59.8Hz |
| Mms | 17.52g/0.618oz |
| Mmd | 16.66g/0.588oz |
| Qms | 8.240 |
| Qes | 0.446 |
| Qts | 0.423 |
| Re | 5.22 |
| Vas | 10.07lt/0.38ft ³ |
| Bl | 8.79Tm |
| Cms | 0.404mm/N |
| Rms | 0.799kg/s |
| Le (at 1kHz) | 0.17mH |
| D | 0.13m/5.12in |

Mounting Information

| | |
|--------------------------|---|
| Diameter | Max 189mm /7.44in - Min 162mm/6.38in |
| Overall depth | 87mm/3.43in |
| Cut-out diameter | 150mm/5.9in |
| Mounting slot dimensions | 6.5mm x 5.5mm/0.26in x 0.22in |
| Number of mounting slots | 4 |
| Mounting PCD range | 173.5mm/6.83in |
| Unit weight | 0.95kg/2.09lb |

Packed Dimensions & Weight

| | |
|--------------------------------|---|
| Single pack size W x D x H | 190mm x 190mm x 110mm /7.5in x 7.5in x 4.3in |
| Single pack weight | 1.1kg/2.4lb |
| Multipack (120) size W x D x H | 1070mmx850mmx860mm /42.1in x 33.5in x 33.9in |
| Multi pack (120) weight | 150kg/330lb |