

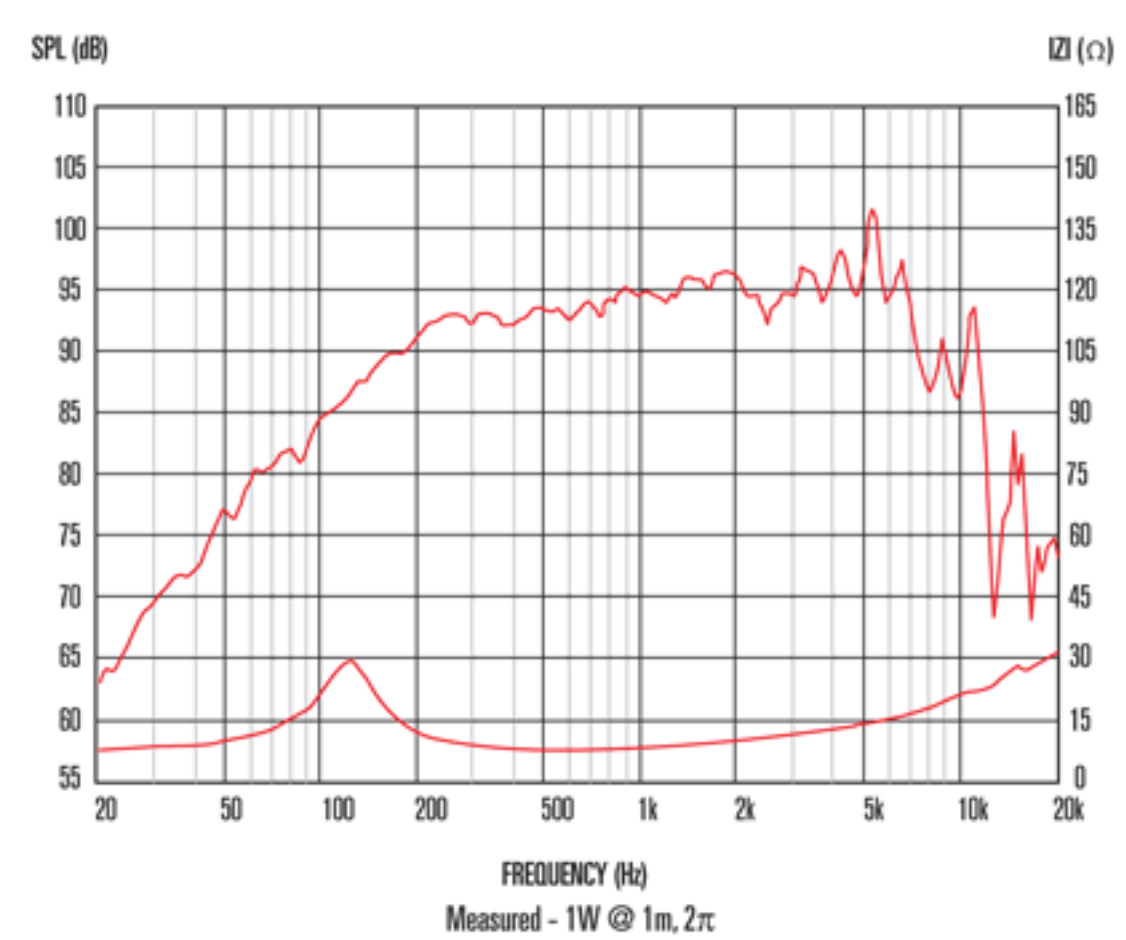
NTR06-1705B



Features

- 6.5" neodymium magnet mid-range driver providing 150Wrms (AES standard) power handling and 95dB sensitivity
- 1.75" high temperature copper clad aluminium voice coil
- Suitable for line array applications, utilising a space efficient chassis profile
- FEA optimised flux distribution in the magnet assembly provides low harmonic distortion
- "M-Roll" surround provides progressive excursion control, generating a smooth frequency response
- Intelligent heat management in both chassis and magnet assembly design offers reduced thermal distortion

8 Frequency Response



General Specifications

Nominal diameter	165mm/6.5in
Power rating ¹	150Wrms
Nominal impedance	8
Sensitivity ²	95dB
Frequency range	150-7000Hz
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	Cloth-sealed
Suspension	Single
Xmax ³	2.5mm/0.098in
Gap depth	6mm/0.24in
Voice coil winding width	11mm/0.43in

Small Signal Parameters ⁴

D	0.13m/5.12in
Fs	109.6Hz
Mms	12.934g/0.457oz
Qms	2.632
Qes	0.527
Mmd	12.069g/0.422oz
Qts	0.439
Re	5.95Ω
Vas	4.06lt/0.14ft3
Bl	10.03Tm
Cms	0.163mm/N
Rms	3.385kg/s
Le (at 1kHz)	0.24mH

Mounting Information

Overall diameter	Max 189mm /7.44in - Min 162mm/6.38in
Overall depth	71mm/2.79in
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 slot PCD range	173.5mm/6.83in
Unit weight	0.85kg/1.87lb

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	1.0kg/2.2lb
Multi pack size W x D x H	1070mmx850mmx860mm /42.1in x 33.5in x 33.9in
Multi pack weight	160kg/352lb

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.