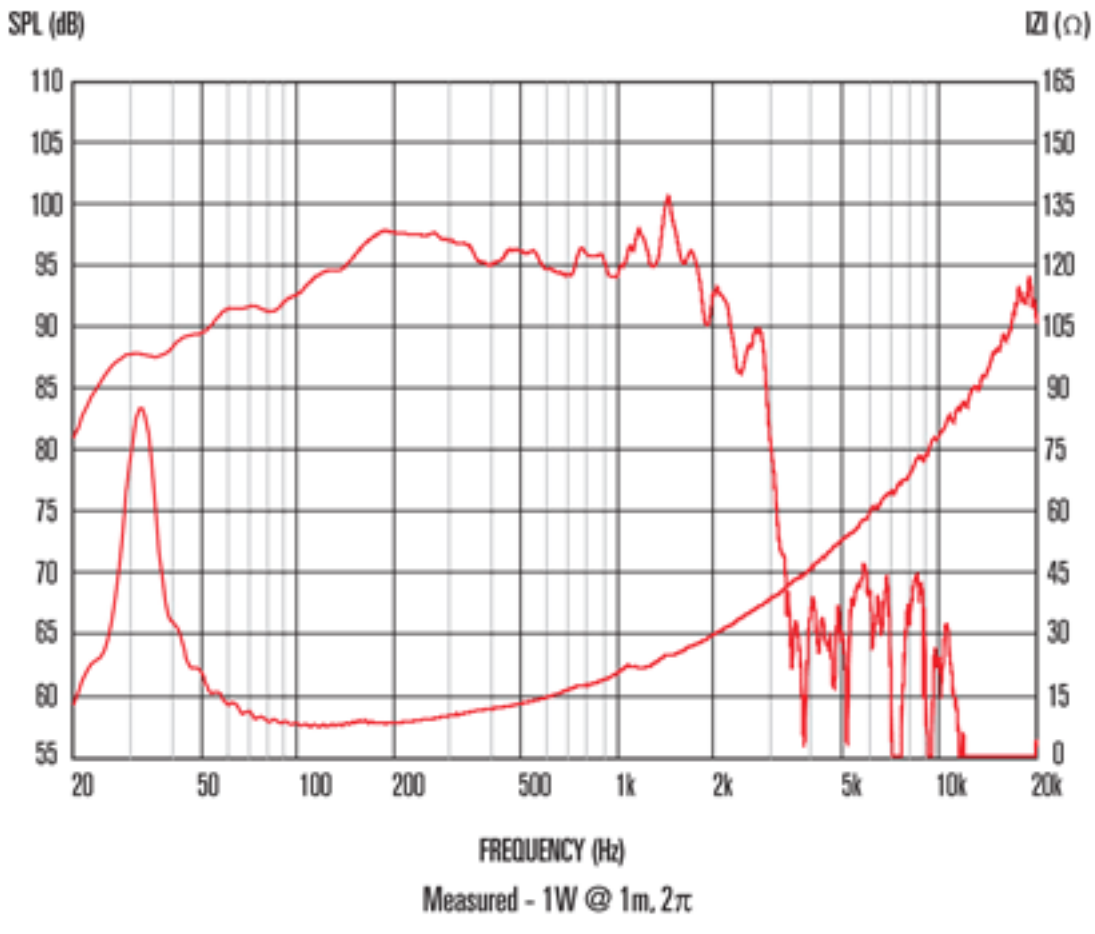
LF Cast Chassis / Neo

NTR21-5010JD

Features

- 21" neodymium subwoofer offers 1600Wrms (AES standard) power handling and 98dB sensitivity
- 5" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- Double suspension and a "multi-roll" surround provide exceptional linearity at extremes of cone excursion
- Rigid lightweight carbon fibre loaded cone delivers improved performance and faster response
- Intelligent heat management in both chassis and magnet assembly design further minimizes distortion

8 Ω Frequency Response



General Specifications

Nominal diameter	530mm/21in
Power rating [1]	1600Wrms
Nominal impedance	8 Ω
Sensitivity [2]	98dB
Frequency range	30-3000Hz
Voice coil diameter	125mm/5in
Chassis type	Cast aluminium
Magnet type	Neodymium
Coil material	Round copper
Former material	Glass fibre
Cone material	Carbon fibre loaded paper
Surround material	Cloth-sealed
Suspension	Double
Xmax [3]	9mm/0.35in
Gap depth	12mm/0.47in
Voice coil winding width	30mm/1.18in

Small Signal Parameters [4]

D	0.46m/18.11in
Fs	30.2Hz
Mms	318.85g/11.26oz
Mmd	280.52g/9.9oz
Qms	5.231
Qes	0.309
Qts	0.291
Re	5.36 Ω
Vas	341.43lt/12.05ft3
Bl	32.39Tm
Cms	0.087mm/N
Rms	11.55Kg/s
Le (at 1kHz)	2.063mH

Mounting Information

Diameter	550mm/21.65in
Overall depth	254mm/10in
Cut-out diameter	492mm/19.37in
Mounting slot dimensions	12.5mm x 8.5mm/0.49in x 0.33in
Number of mounting slots	8
Mounting PCD range	520-528mm/20.5-20.8in
Unit weight	12.8kg/28.2lb

Packed Dimensions & Weight

Single pack size W x D x H	575mm x 575mm x 280mm /22.6in x 22.6in x11.0in
Single pack weight	13.2kg/29lb

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.

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