CELESTION

NEW

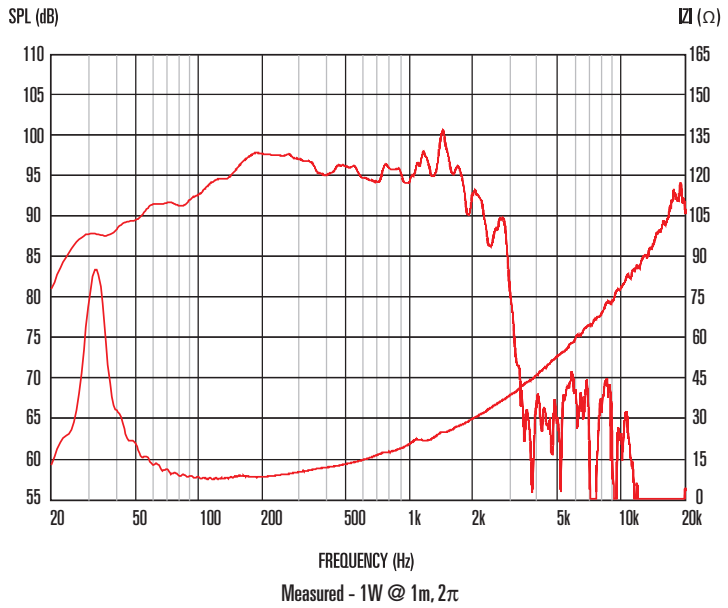
NTR21-5010JD

Neodymium magnet aluminium chassis driver

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**

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

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 2π 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.

Also available in 4Ω, data available on request

General Specifications

Nominal diameter	530mm/21in
Power rating[1]	1600Wrms
Nominal impedance	8Ω
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

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	5.36Ω
Vas	341.43lt/12.05ft^3
Bl	32.39Tm
Cms	0.087mm/N
Rms	11.55Kg/s
Le (at 1kHz)	2.063mH

Mounting Information

Overall 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 slot PCD range	520-528mm/20.5-20.8in
Unit weight	12.8kg/8.8lb

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