

NTR10-2016D

Neodymium magnet aluminium chassis driver



General Specifications

Nominal diameter	254mm/10in
Power rating ¹	200Wrms
Nominal impedance	8Ω
Sensitivity ²	94dB
Frequency range	50-5000Hz
Voice coil diameter	50mm/2in
Chassis type	Cast aluminium
Magnet type	Neodymium
Coil material	Round copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	4mm/0.16in
Gap depth	8mm/0.31in
Voice coil winding width	16mm/0.63in

Small Signal Parameters

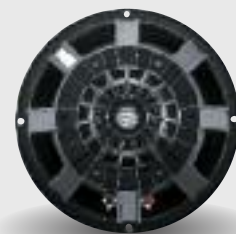
D	0.21m/8.27in
Fs	42.6Hz
Mms	39.59g/1.40oz
Mmd	35.95g/1.27oz
Qms	6.105
Qes	0.374
Qts	0.353
Re	6.77Ω
Vas	59.91lt/2.11ft ³
Bl	13.841Tm
Cms	0.353mm/N
Rms	1.735kg/s
Le (at 1kHz)	0.746mH

Mounting Information

Overall diameter	260mm/10.24in
Overall depth	113mm/4.45in
Cut-out diameter	232mm/9.13in
Mounting slot dimensions	7.5mm x 6.5mm/0.3in x 0.6in
Number of mounting slots	4
Mounting slot PCD/width across flats	244-247/9.6-9.7in
Unit weight	2.2kg/4.89lb

Packed Dimensions & Weight

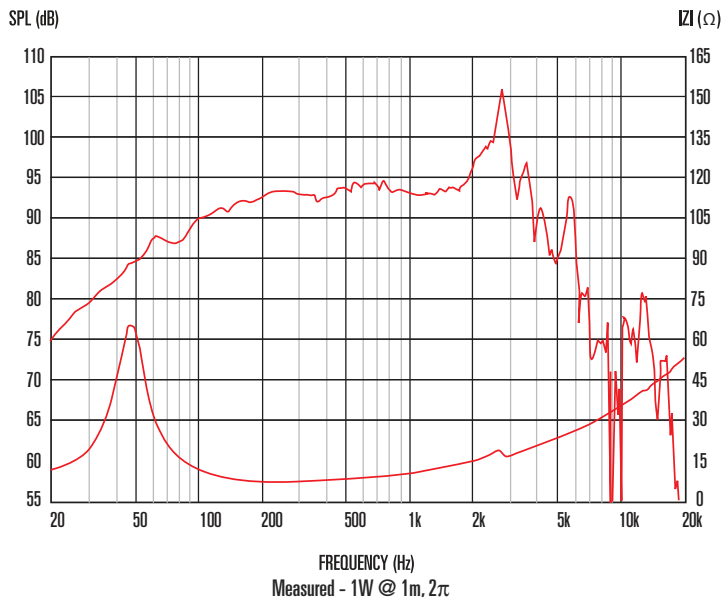
Multipack (8) size W x D x H	527mm x 464mm x 242mm
	/20.7in x 18.3in x 9.5in
Multipack (8) weight	22kg/50lb



Features

- 10" neodymium mid/bass unit offers 200Wrms (AES standard) power handling and 94dB sensitivity
- 2" high temperature voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- "Multi-roll" surround provides exceptional linearity at extremes of cone excursion
- Ribbed cone for increased stiffness
- Intelligent heat management in both chassis and magnet assembly design further minimises distortion

Frequency Response and Impedance Curves



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.