



# NTR10-2520E

Neodymium magnet cast aluminium chassis driver

## General Specifications

Nominal diameter	254mm/10in
Power rating <sup>1</sup>	250Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	96dB
Frequency range	50-3000Hz
Voice coil diameter	64mm/2.5in
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 <sup>3</sup>	5mm/0.20in
Gap depth	8mm/0.32in
Voice coil winding width	17.5mm/0.69in

## Small Signal Parameters<sup>4</sup>

D	0.21m/8.27in
Fs	52.4Hz
Mms	46.43g/1.64oz
Mmd	42.79g/1.51oz
Qms	3.008
Qes	0.334
Qts	0.301
Re	5.63Ω
Vas	33.78lt/1.192ft <sup>3</sup>
Bl	16.05Tm
Cms	0.199mm/M
Rms	5.078kg/s
Le (at 1kHz)	0.71mH

## Mounting Information

Overall diameter	260mm/10.24in
Overall depth	113mm/4.45in
Cut-out diameter	234mm/9.21in
Mounting slot dimensions	7.5mm x 6.5mm/0.3in x 0.26in
Number of mounting slots	4
Mounting slot PCD range	244-247mm/9.6-9.7in
Unit weight	2.2kg/4.89lb

## Packed Dimensions & Weight

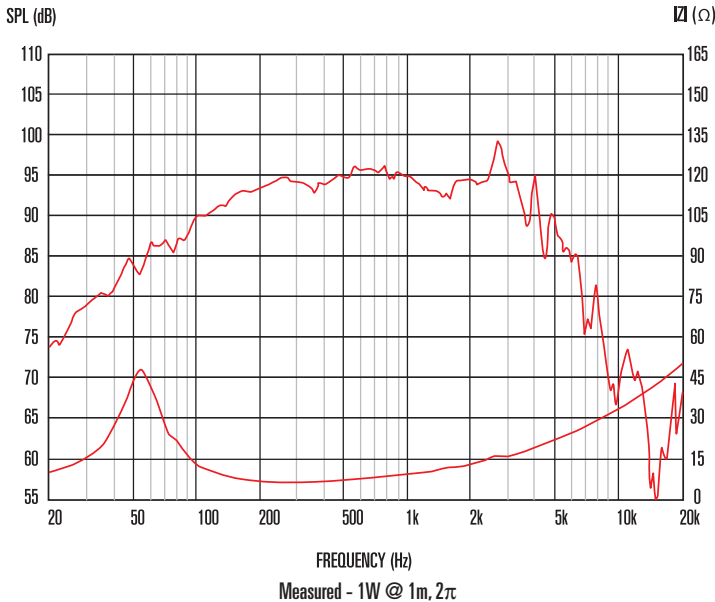
Single pack size W x D x H	305mm x 305mm x 150mm
	/12.0in x 12.0in x 5.9in
Single pack weight	2.5kg/5.5lb
Multipack (96) size W x D x H	1500mm x 1000mm x 980mm
	/59.1in x 39.4in x 38.8in
Multipack (96) weight	235kg/518lb



## Features

- 10" neodymium mid/bass unit offers 250Wrms (AES standard) power handling and 96dB sensitivity
- 2.5" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- "M-Roll" surround provides progressive excursion control, yielding a smooth response even at extremes of frequency range
- Extremely lightweight design combined with a highly efficient magnet assembly results in exceptional power-to-weight ratio
- 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.  
 4. Small signal parameters measured after unit subjected to pre-conditioning signal.