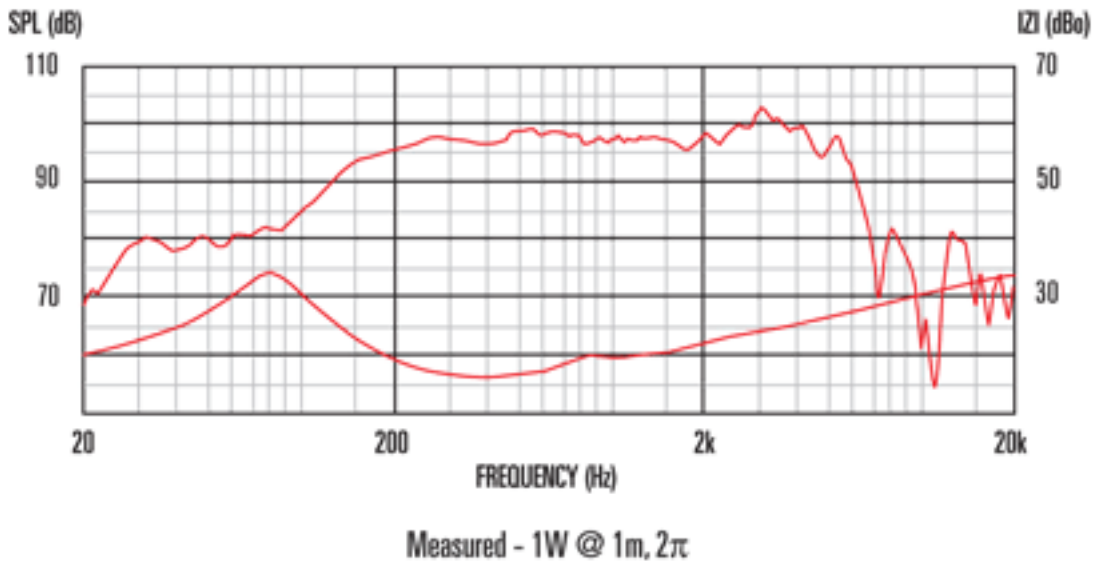
LF Pressed Chassis / Neo

TN1020

Features

- 10" Bass and mid-range driver providing 98dB sensitivity and 150Wrms (AES standard) power handling
- 2" high-temperature copper voice coil wound on polyimide for increased reliability
- Features compact and lightweight neodymium magnet assembly
- Smart use of venting and specially designed heatsink for reduced thermal compression
- Effective flux management enables increased sensitivity

8 Ω Frequency Response



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.

General Specifications

Nominal diameter	254mm/10in
Power rating [1]	150Wrms
Nominal impedance	8 Ω
Sensitivity [2]	98dB
Frequency range	65-4000Hz
Voice coil diameter	50mm/2in
Chassis type	Pressed steel
Magnet type	Neodymium
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax [3]	2mm/0.079in
Gap depth	8mm/0.32in
Voice coil winding width	12mm/0.47in

Small Signal Parameters [4]

D	0.21m/8.27in
Fs	80.7Hz
Mms	26.82g/0.95oz
Mmd	23.18g/0.82oz
Qms	2.24
Qes	0.35
Qts	0.30
Re	5.62 Ω
Vas	24.62lt/0.87ft3
Bl	14.84Tm
Cms	0.145mm/N
Rms	6.08kg/s
Le (at 1kHz)	0.46mH

Mounting Information

Diameter	256mm/10.08in
Overall depth	110mm/4.33in
Cut-out diameter	229mm/9.02in
Mounting slot dimensions	8mm x 6mm/0.31in x 0.24in
Number of mounting slots	8
Mounting PCD range	245mm/9.65in
Unit weight	1.5kg/3.4lb

Packed Dimensions & Weight

Single pack size W x D x H	280mm x 280mm x 120mm /11.0in x 11.0in x 4.7in
Single pack weight	1.7kg/3.7lb
Multipack (96) size W x D x H	1008mmx880mmx820mm /39.7in x 34.6in x 32.3in
Multi pack (96) weight	165kg/364lb

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