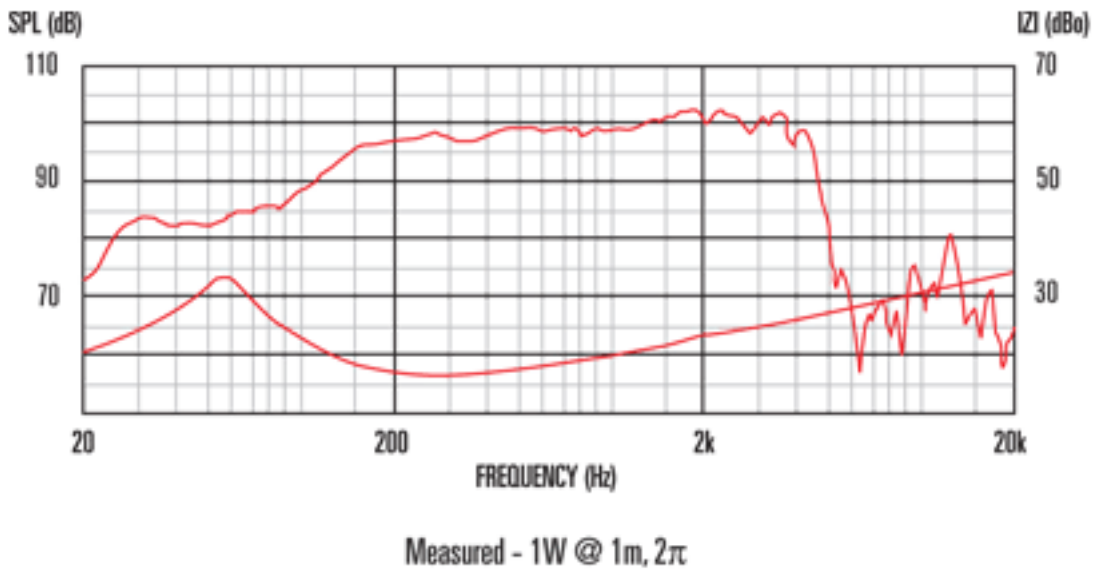
LF Pressed Chassis / Neo

TN1225

Features

- 12" Bass/mid-range driver providing 97dB sensitivity and 250Wrms (AES standard) continuous power handling
- 2.5" 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	305mm/12in
Power rating [1]	250Wrms
Nominal impedance	8 Ω
Sensitivity [2]	97dB
Frequency range	50-4000Hz
Voice coil diameter	64mm/2.5in
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]	2.5mm/0.099in
Gap depth	8mm/0.32in
Voice coil winding width	13mm/0.51in

Small Signal Parameters [4]

D	0.26m/10.24in
Fs	60.5Hz
Mms	51.15g/1.81oz
Mmd	44.23g/1.74oz
Qms	3.03
Qes	0.37
Qts	0.33
Re	5.18 Ω
Vas	53.92lt/1.90ft3
Bl	16.48Tm
Cms	0.14mm/N
Rms	6.43kg/s
Le (at 1kHz)	0.63mH

Mounting Information

Diameter	309mm/12.17in
Overall depth	132mm/5.20in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	Ø 7.9mm/0.31in
Number of mounting slots	4
Unit weight	2.0kg/4.4lb
Mounting slot PCD	297mm/11.69in

Packed Dimensions & Weight

Single pack size W x D x H	330mm x 330mm x 150mm /13.0in x 13.0in x 5.9in
Single pack weight	2.4kg/5.3lb
Multipack (60) size W x D x H	1008mmx980mmx860mm /39.7in x 38.6in x 33.9in
Multipack (60) weight	146kg/322lb

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom