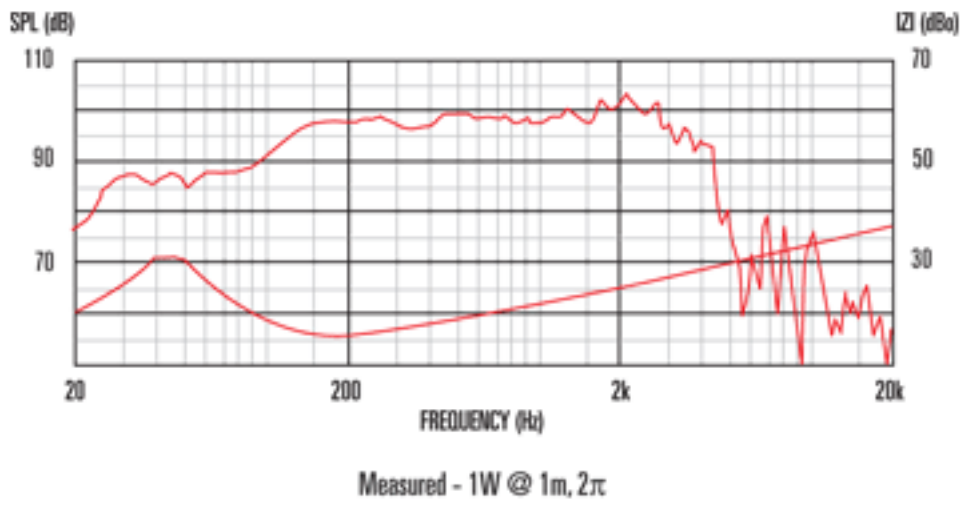
LF Pressed Chassis / Neo

TN1530

Features

- 15" Bass and mid-range driver offering 98dB sensitivity and 300Wrms (AES standard) power handling
- 3" high-temperature copper voice coil wound on polyimide for increased reliability
- FEA optimised compact and lightweight neodymium magnet assembly
- "M-Roll" surround provides progressive excursion control yielding a smooth response at extremes of frequency range
- 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	381mm/15in
Power rating [1]	300Wrms
Nominal impedance	8 Ω
Sensitivity [2]	98dB
Frequency range	40-3000Hz
Voice coil diameter	75mm/3in
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]	3.75mm/0.148in
Gap depth	10mm/0.39in
Voice coil winding width	17.5mm/0.69in

Small Signal Parameters [4]

D	0.33m/12.99in
Fs	47.6Hz
Mms	99.0g/3.49oz
Mmd	84.85g/2.99oz
Qms	3.147
Qes	0.445
Qts	0.390
Re	5.18 Ω
Vas	117.02lt/4.13ft3
Bl	18.57Tm
Cms	0.113mm/N
Rms	9.404kg/s
Le (at 1kHz)	1.03mH

Mounting Information

Diameter	385mm/15.16in
Overall depth	160mm/6.30in
Cut-out diameter	352mm/13.86in
Mounting slot dimensions	9.2mm x 6.2mm/0.36in x 0.24in
Number of mounting slots	8
Mounting PCD range	369mm/14.53in
Unit weight	2.8kg/6.2lb

Packed Dimensions & Weight

Single pack size W x D x H	410mm x 410mm x 180mm /16.1in x 16.1in x 7.1in
Single pack weight	3.0kg/6.6lb
Multipack (45) size W x D x H	1200mmx1000mmx980mm /47.2in x 39.4in x 38.6in
Multi pack (45) weight	140kg/309lb

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