CELESTION

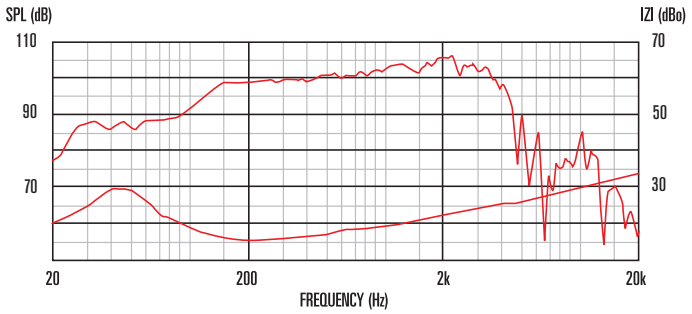
TN1525

Neodymium magnet steel chassis driver

Features

- **15" bass/mid-range driver offers 250Wrms (AES standard) power handling and 100dB sensitivity**
- **2.5" high-temperature copper voice coil wound on polyimide for increased reliability**
- **Compact and lightweight neodymium magnet assembly**
- **Smart use of venting and specially designed heatsink for reduced thermal compression**
- **Effective flux management enables increased sensitivity**

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

General Specifications

Nominal diameter	381mm/15in
Power rating[1]	250Wrms
Nominal impedance	8Ω
Sensitivity[2]	100dB
Frequency range	45-3000Hz
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/0.098in
Gap depth	8mm/0.32in
Voice coil winding width	13mm/0.51in

Small Signal Parameters[4]

D	0.33m/12.99in
Fs	51Hz
Mms	73.75g/2.60oz
Mmd	59.6g/2.10oz
Qms	2.53
Qes	0.44
Qts	0.37
Re	5.25Ω
Vas	136.48lt/4.82ft^3
Bl	16.82Tm
Cms	0.13mm/N
Rms	9.34kg/s
Le (at 1kHz)	0.66mH

Mounting Information

Overall diameter	385mm/15.16in
Overall depth	155mm/6.10in
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	2.4kg/5.2lb

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	2.5kg/5.5lb
Multi pack (45) size W x D x H	1200mm x 1000mm x 980mm /47.2in x 39.4in x 38.6in
Multi pack (45) weight	115kg/254lb

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.