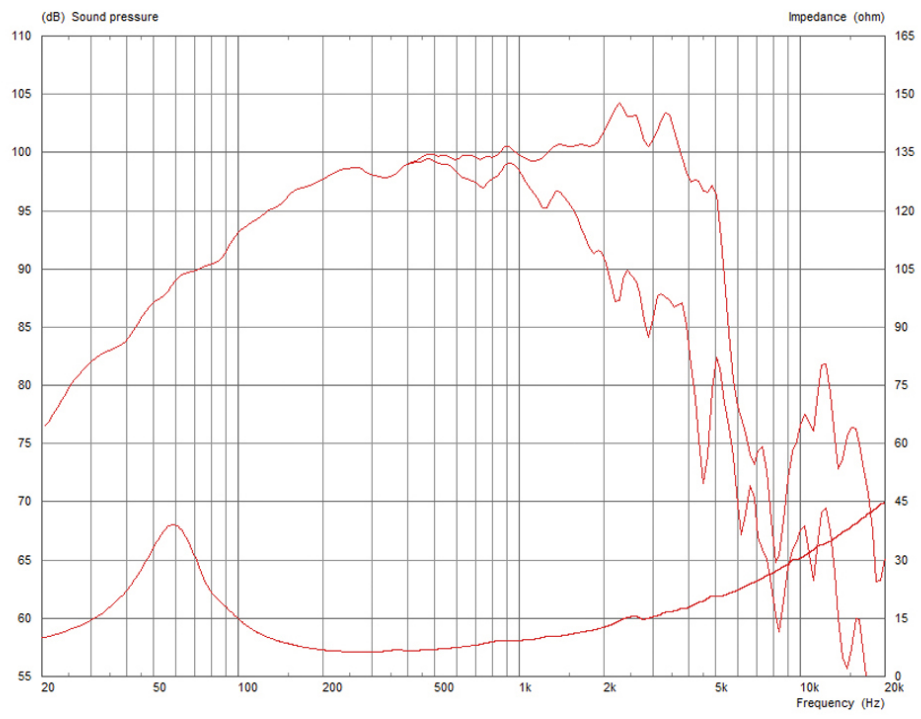
CELESTION

Legacy Loudspeakers

TN1225 (Legacy)

- Compact high flux Dual Magnet Motor design
- Vented cast aluminium heatsink

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

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Power rating: 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.

Continuous power rating: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2 anechoic environment.

Parameters: Measured after unit subjected to pre-conditioning signal.

Xmax: Hvc-Hg/2

General Specifications

Nominal Diameter	305mm / 12in
Power Rating	250W
Continuous power rating	500W
EIA power rating	400W
Rated impedance	8Ω
Sensitivity	99dB
Frequency range	50-4000Hz
Chassis type	Pressed steel
Magnet type	Neodymium
Voice coil diameter	64mm / 2.5in
Voice coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax	2.5mm / 0.1in
Gap height (Hg)	8mm / 0.32in
VC winding height (Hvc)	13mm / 0.51in

Mounting Information

Overall diameter	309mm / 12.17in
Overall depth	132mm / 5.2in
Cut-out diameter	283mm / 11.14in
Mounting hole dimensions	7.9mm / 0.31in
Number of mounting holes	4
Mounting hole PCD	297mm / 11.69in
Unit weight	2.0kg / 4.4lb

Parameters

Sd	530.93cm2 / 82.29ft3
Fs	61.40Hz
Mms	42.12g / 1.49oz
Qms	3.118
Qes	0.339
Qts	0.306
Re	520Ω
Vas	63.69l / 2.25ft3
Bi	15.79Tm
Cms	0.16mm/N
Rms	5.21kg/s
Le (at 1kHz)	0.65mH
Xmax	2.5mm / 0.1in

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
Multi pack qty	60
Multi pack size W x D x H	1008mm x 980mm x 860mm / 39.7in x 38.6in x 33.9in
Multi pack weight	150kg / 330lb

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