CELESTION

TF0510

Ferrite magnet pressed steel chassis driver

General Specifications

Nominal diameter	127mm/5in
Power rating[1]	30Wrms
Nominal impedance	8Ω
Sensitivity[2]	91dB
Frequency range	130-8000Hz
Voice coil diameter	25mm/1in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.37kg/13oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax[3]	1.1mm/0.04in
Gap depth	5mm/0.20in
Voice coil winding width	7.3mm/0.29in

Small Signal Parameters

D	0.10m/3.94in
Fs	106Hz
Mms	5.7g/0.201oz
Mmd	5.3g/0.187oz
Qms	2.40
Qes	0.58
Qts	0.46
Re	6.43Ω
Vas	4.2lt/0.15ft^3
Bl	6.5Tm
Cms	0.40mm/N
Rms	1.60kg/s
Le (at 1kHz)	0.38mH

Mounting Information

Overall diameter	136 x 151mm/5.35 x 5.94in
Overall depth	68mm/2.68in
Cut-out diameter	117mm/4.61in
Mounting slot dimensions	Ø 4.5mm/0.18in
Number of mounting slots	4
Mounting PCD range	140mm/5.51in
Unit weight	1.0kg/2.2lb

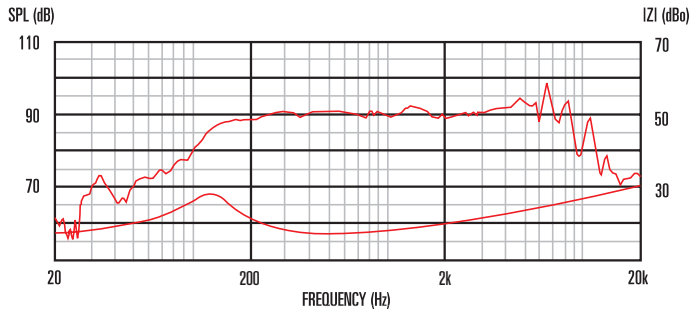
Packed Dimensions & Weight

Single pack size W x D x H	170mm x 180mm x 70mm /6.7in x 7.1in x 2.8in
Single pack weight	1.5kg/3.3lb
Multi pack (12) size W x D x H	320mm x 550mm x 190mm /12.6in x 21.7in x 7.5in
Multi pack (12) weight	13kg/29lb

Features

- **Multi-purpose 5" drive unit delivering clear bass and mid frequencies**
- **Provides 91dB sensitivity and 30Wrms (AES standard) power handling**
- **1" high temperature copper voice coil wound on polyimide former for increased reliability**
- **Impressive extended frequency range**
- **Ideal for use in multiple speaker systems: as LF driver in 2-way systems, as MF driver in 3-way systems**

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

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.