CELESTION

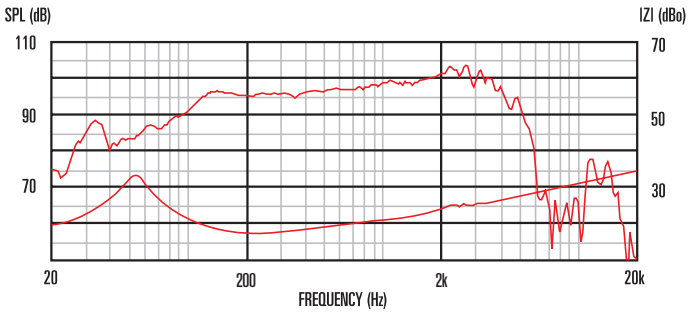
TF1220

Ferrite magnet steel chassis driver

Features

- **12" Bass and mid-range driver providing 97dB sensitivity and 150Wrms (AES standard) power handling**
- **2" high temperature copper voice coil wound on polyimide for increased reliability**
- **Ideal for use in 2-way high pass systems**
- **Rigid chasis design for maximum energy transfer**
- **Excellent performance at cost-effective price point**

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

General Specifications

Nominal diameter	305mm/12in
Power rating[1]	150Wrms
Nominal impedance	8Ω
Sensitivity[2]	97dB
Frequency range	60-4000Hz
Voice coil diameter	50mm/2in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.2kg/42oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax[3]	2mm/0.08in
Gap depth	8mm/0.31in
Voice coil winding width	12mm/0.47in

Small Signal Parameters

D	0.26m/10.24in
Fs	55Hz
Mms	38.91g/1.37oz
Mmd	32.0g/1.258oz
Qms	4.30
Qes	0.46
Qts	0.42
Re	5.54Ω
Vas	84.7lt/2.99ft^3
Bl	12.70Tm
Cms	0.21mm/N
Rms	3.16kg/s
Le (at 1kHz)	0.735mH

Mounting Information

Overall diameter	309mm/12.17in
Overall depth	131mm/5.16in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	Ø 7.9mm/0.31in
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	5kg/11lb

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	5kg/11lb
Multi pack (60) size W x D x H	1080mm x 980mm x 880mm /42.5in x 38.6in x 34.6in
Multi pack (60) weight	265kg/580lb

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.