CELESTION

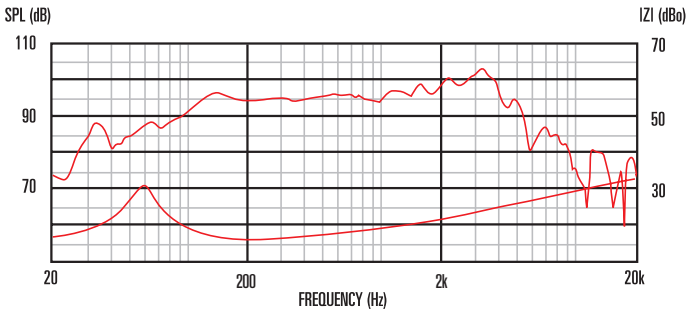
TF1218

Ferrite magnet steel chassis driver

Features

- 12" Bass and mid-range driver offering a superior price/performance ratio
- Provides 97dB sensitivity and 100Wrms (AES standard) power handling
- 1.75" High temperature copper voice coil wound on polyimide for increased reliability
- Kevlar-loaded cone with sealed surround and damping for reduced distortion
- Suitable for use in 2-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.

General Specifications

Nominal diameter (mm/in)	305mm/12in
Power rating[1]	100Wrms
Nominal impedance	8Ω
Sensitivity[2]	97dB
Frequency range	60-4500Hz
Voice coil diameter	45mm/1.75in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.88kg/31oz
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	6mm/0.24in
Voice coil winding width	10mm/0.39in

Small Signal Parameters

D	0.26m/10.24in
Fs	62Hz
Mms	39.41g/1.39oz
Mmd	32.50g/1.15oz
Qms	4.90
Qes	0.72
Qts	0.63
Re	5.55Ω
Vas	66.6lt/2.35ft^3
Bl	10.90Tm
Cms	0.17mm/N
Rms	3.14kg/s
Le (at 1kHz)	0.57mH

Mounting Information

Overall diameter	309mm/12.17in
Overall depth	125mm/4.92in
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	2.7kg/6.0lb

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	4kg/8.8lb
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	250kg/551lb