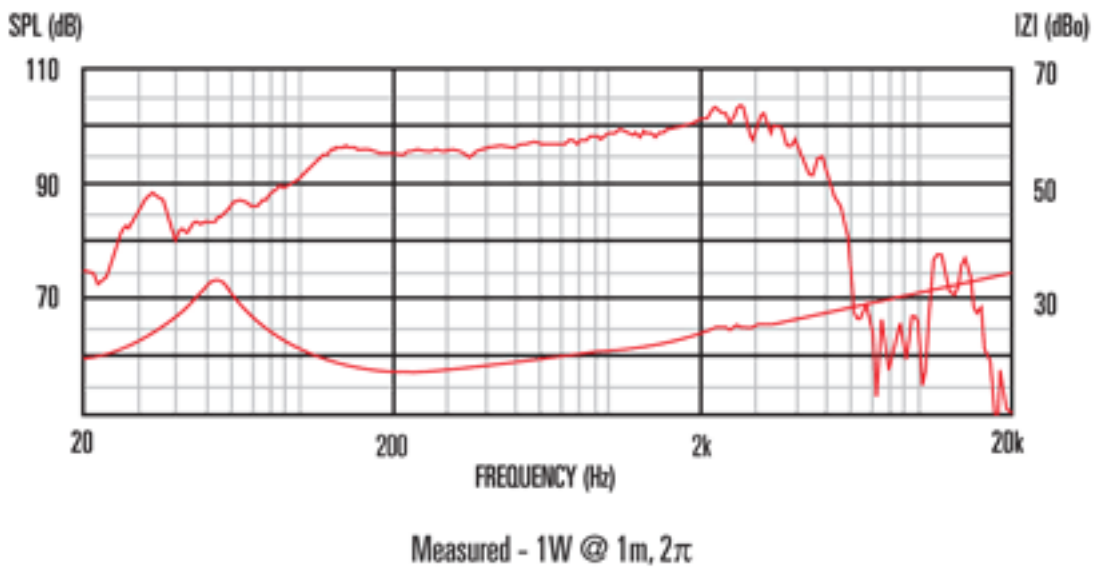
LF Pressed Chassis / Ferrite

TF1220

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

8 Ω Frequency Response



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 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

General Specifications

Nominal diameter	305mm/12in
Power rating [1]	150Wrms
Nominal impedance	8 Ω
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	5.54 Ω
Vas	84.7lt/2.99ft3
Bl	12.70Tm
Cms	0.21mm/N
Rms	3.16kg/s
Le (at 1kHz)	0.735mH

Mounting Information

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
Multipack (60) size W x D x H	1080mmx980mmx880mm /42.5in x 38.6in x 34.6in
Multipack (60) weight	265kg/580lb

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom