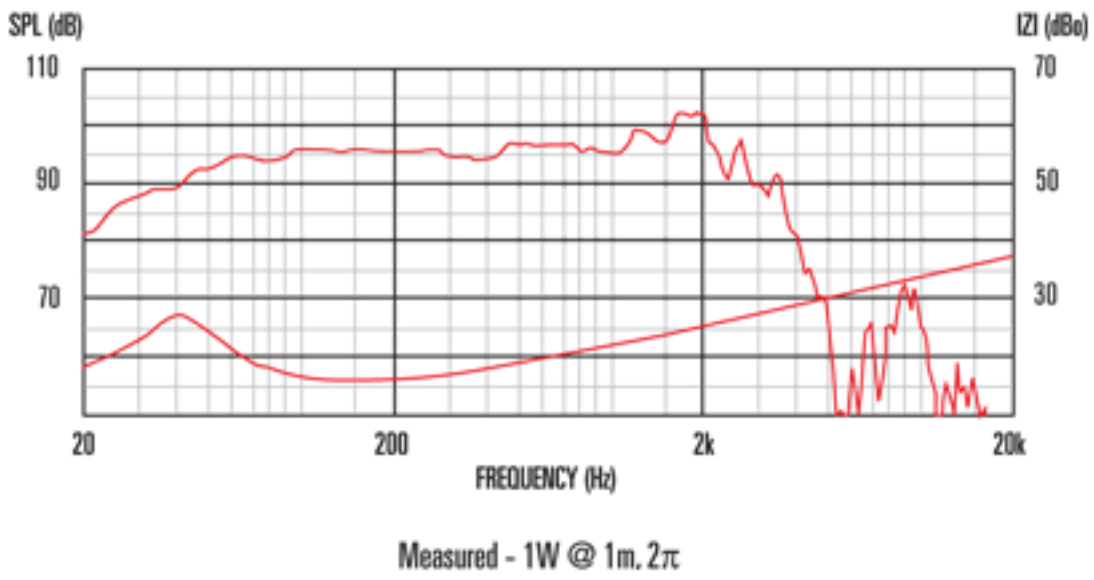
LF Pressed Chassis / Ferrite

TF1225e

Features

- 12" Bass and mid-range driver with extended low frequency response
- 2.5" edgewound voice coil provides 96dB sensitivity and 300Wrms (AES standard) power handling
- Kevlar-loaded cone with sealed surround and damping for reduced distortion
- Double roll surround for greater excursion control
- Suitable for use in 2-way and compact 3-way systems

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]	300Wrms
Nominal impedance	8 Ω
Sensitivity [2]	96dB
Frequency range	50-3000Hz
Voice coil diameter	64mm/2.5in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.4kg/50oz
Coil material	Edgewound copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax [3]	3.5mm/0.14in
Gap depth	8mm/0.31in
Voice coil winding width	14.5mm/0.57in

Small Signal Parameters

D	0.26m/10.24in
Fs	61.2Hz
Mms	53.24g/1.88oz
Mmd	46.31g/1.63oz
Qms	4.80
Qes	0.44
Qts	0.40
Re	5.07 Ω
Vas	50.6lt/1.79ft3
Bl	15.41Tm
Cms	0.13mm/N
Rms	4.27kg/s
Le (at 1kHz)	1.1mH

Mounting Information

Diameter	309mm/12.17in
Overall depth	139mm/5.47in
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	4.4kg/9.7lb

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	290kg/638lb

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