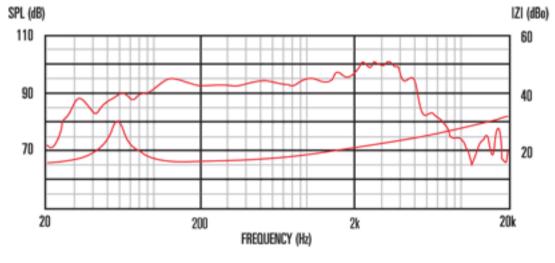# CELESTION

LF Pressed Chassis / Ferrite

TF1215

Features

- 12" driver with excellent bass and mid-range performance
- Provides 95dB sensitivity and 100Wrms (AES standard) power handling
- 1.5" High temperature copper voice coil wound on polyimide for increased reliability
- Kevlar-loaded cone with sealed surround and damping for reduced distortion
- Cost-effective unit, optimised for use in 2-way systems

8   Frequency Response

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

General Specifications

Nominal diameter	305mm/12in
Power rating [1]	100Wrms
Nominal impedance	8
Sensitivity [2]	95dB
Frequency range	60-5000Hz
Voice coil diameter	38mm/1.5in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.62kg/22oz
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	62.5Hz
Mms	33.91g/1.197oz
Mmd	27.0g/0.95oz
Qms	6.297
Qes	1.311
Qts	1.085
Re	5.85
Vas	69.2lt/2.45ft3
Bl	8.02Tm
Cms	0.18mm/N
Rms	2.20kg/s
Le (at 1kHz)	0.5mH

Mounting Information

Diameter	309mm/12.17in
Overall depth	124mm/4.88in
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	2.4kg/5.3lb

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	3kg/6.6lb
Multipack (60) size W x D x H	1080mmx980mmx880mm /42.5in x 38.6in x 34.6in
Multipack (60) weight	154kg/339lb

CELESTION