



TF1225CX

Coaxial magnet steel chassis driver

General Specifications: LF

Nominal diameter	305mm/12in
Power rating ¹	250Wrms
Nominal impedance	8Ω
Sensitivity ²	97dB
Frequency range	40-4000Hz
Voice coil diameter	64mm/2.5in
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	2.5mm/0.098in
Gap depth	8mm/0.31in
Voice coil winding width	13mm/0.51in

Small Signal Parameters

D	0.26m/0.24in
Fs	71.4Hz
Mms	49.68g/1.75oz
Mmd	42.76g/1.51oz
Qms	3.824
Qes	0.480
Qts	0.426
Re	5.57Ω
Vas	39.91lt/1.41ft ³
Bl	16.08Tm
Cms	0.10mm/N
Rms	5.83kg/s
Le (at 1kHz)	0.23mH

General Specifications: HF

Power rating ¹	75Wrms
Nominal impedance	8Ω
Sensitivity ²	110dB
Frequency range	1200-18,000Hz
Recommended min. crossover (12dB/oct)	2200Hz
Voice coil diameter	45mm/1.75in
Magnet type	Neodymium
Diaphragm and surround material	PETP film

Mounting Information

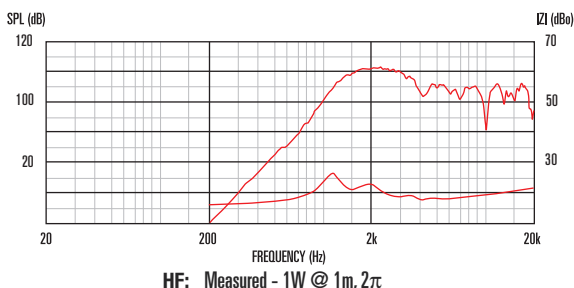
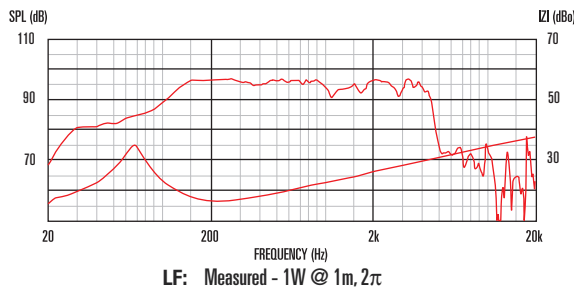
Overall diameter	309mm/12.2in
Overall depth	172mm/6.77in
Cut-out diameter	286mm/11.20in
Mounting slot dimensions	∅ 7.9mm/0.31in
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	4.6kg/10.1lb



Features

- 12" coaxial loudspeaker with 40-18,000Hz response
- 250Wrms (AES standard) power handling and 97dB sensitivity
- 2.5" high temperature copper voice coil wound on polyimide for increased reliability
- Robust and reliable pressed steel frame ferrite magnet LF driver
- Compact, lightweight neodymium compression driver - 80° nominal coverage

Frequency Response and Impedance Curves



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.