



# CF1025C

Ferrite magnet cast aluminium chassis driver

## General Specifications

Nominal diameter	254mm/10in
Power rating <sup>1</sup>	300Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	99dB
Frequency range	60-5000Hz
Voice coil diameter	64mm/2.5in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet weight	1.7kg/60oz
Coil material	Edgewound copper clad aluminium
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	2.5mm/0.1in
Gap depth	8mm/0.31in
Voice coil winding width	12.5mm/0.49in

## Small Signal Parameters

D	0.21m/8.27in
Fs	57.5Hz
Mms	36.16g/1.28oz
Mmd	32.51g/1.15oz
Qms	3.906
Qes	0.310
Qts	0.287
Re	5.54Ω
Vas	35.69lt/1.286ft <sup>3</sup>
Bl	15.32Tm
Cms	0.21mm/N
Rms	3.358kg/s
Le	0.635mH

## Mounting Information

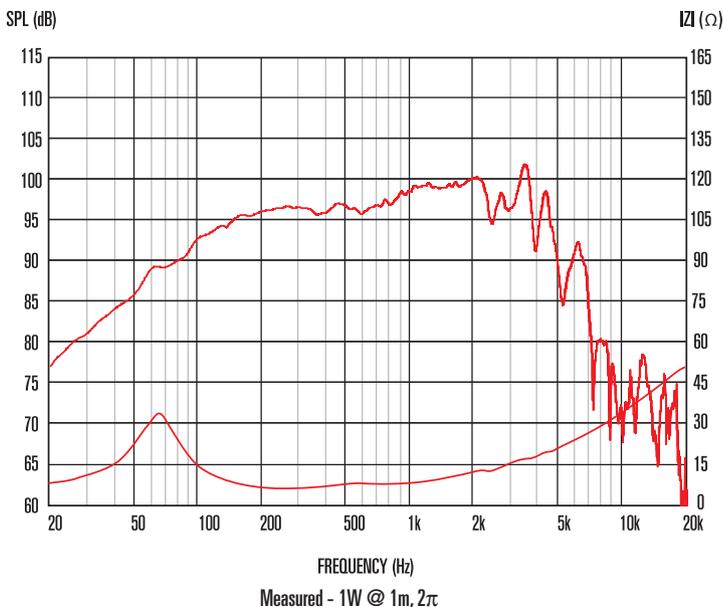
Diameter	265mm/10.43in
Overall depth	119mm/4.69in
Cut-out diameter	230.8mm/9.1in
Mounting slot dimensions	8x6.5mm/0.3x0.25in
Number of mounting slots	8
Mounting slot PCD	244.5-247mm/9.63-9.73in
Unit weight	4.9kg/10.8lb



## Features

- 10" Mid/bass driver delivering 99dB sensitivity and 300Wrms (AES standard) power handling
- FEA optimised magnet assembly and suspension delivers highly symmetrical cone movement leading to exceptionally low harmonic distortion
- Balanced Airflow Venting (BAV) increases airflow to provide enhanced cooling
- Twin demodulation rings reduce flux modulation, minimizing electromagnetic distortion
- "M-roll" surround provides progressive excursion control, yielding a smooth response even at extremes of frequency range

## 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.