CELESTION

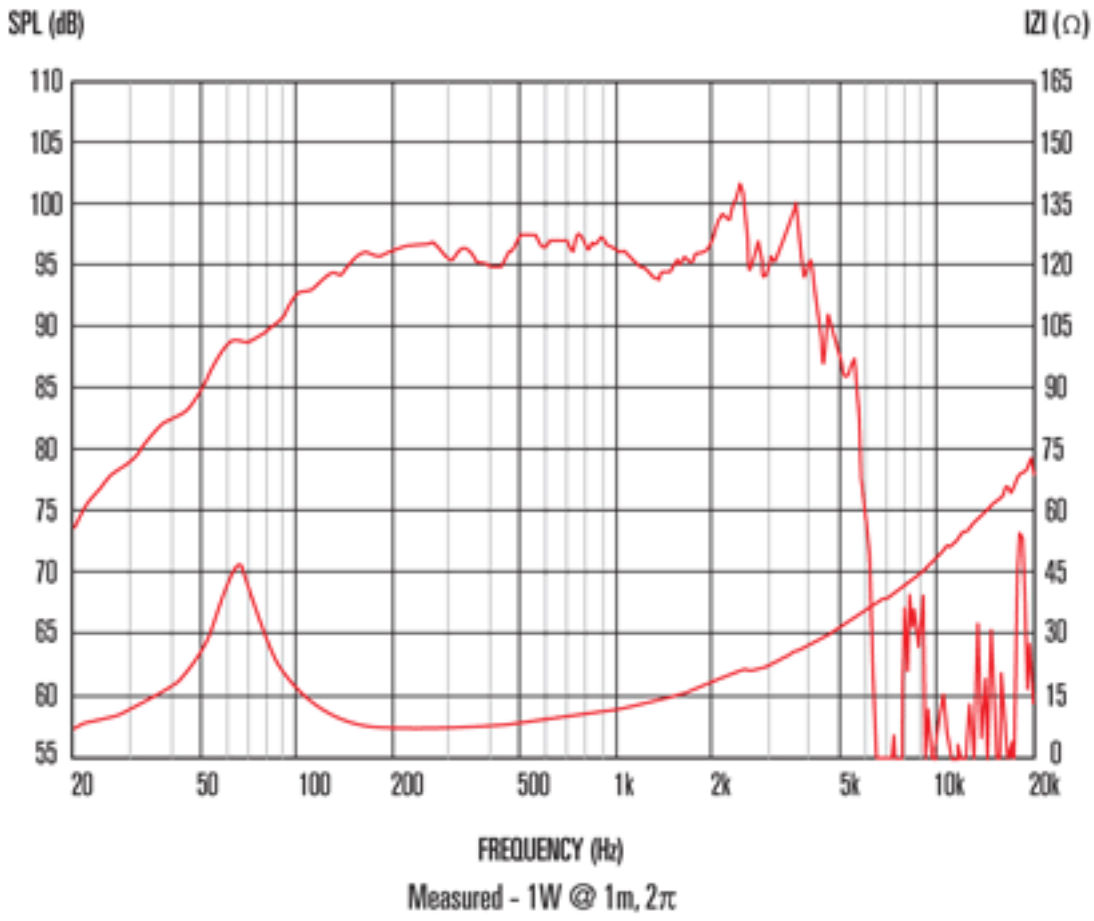
LF Cast Chassis / Ferrite

FTR12-3070C

Features

- 12" ferrite mid/bass driver provides 350Wrms (AES standard) power handling and 96dB sensitivity
- 3" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss due to thermal compression
- Low frequency response, down to 40Hz
- Intelligent heat management in both chassis and magnet assembly design further minimizes distortion
- Specially treated weather-resistant cone

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.
4. Small signal parameters measured after unit subjected to pre-conditioning signal.

General Specifications

Nominal diameter	305mm/12in
Power rating [1]	350Wrms
Nominal impedance	8 Ω
Sensitivity [2]	96dB
Frequency range	40-4000Hz
Voice coil diameter	75mm/3in
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	2.3kg/81oz
Coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper with weather-resistant impregnation
Surround material	Cloth-sealed
Suspension	Single
Xmax [3]	3mm/0.12in
Gap depth	10mm/0.40in
Voice coil winding width	16mm/0.63in

Small Signal Parameters [4]

D	0.26m/10.24in
Fs	66.1Hz
Mms	58.51g/2.07oz
Mmd	51.59g/1.82oz
Qms	2.90
Qes	0.375
Qts	0.332
Re	5.44 Ω
Vas	39.57lt/1.40ft3
Bl	18.78Tm
Cms	0.099mm/N
Rms	8.374kg/s
Le (at 1kHz)	1.25mH

Mounting Information

Diameter	318mm/12.5in
Overall depth	102mm/4.02in
Cut-out diameter	286mm/11.26in
Mounting slot dimensions	7.5mm x 6.5mm/0.3in x 0.26in
Number of mounting slots	8
Mounting PCD range	298-304mm/11.7-12.0in
Unit weight	6.3kg/13.9lb

Packed Dimensions & Weight

Single pack size W x D x H	350mm x 350mm x 180mm /13.8in x 13.8in x 7.1in
Single pack weight	8.1kg/17.8lb
Multipack (60) size W x D x H	1210mmx1050mmx980mm /47.6in x 41.3in x 35.4in
Multipack (60) weight	400kg/880lb

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