CELESTION

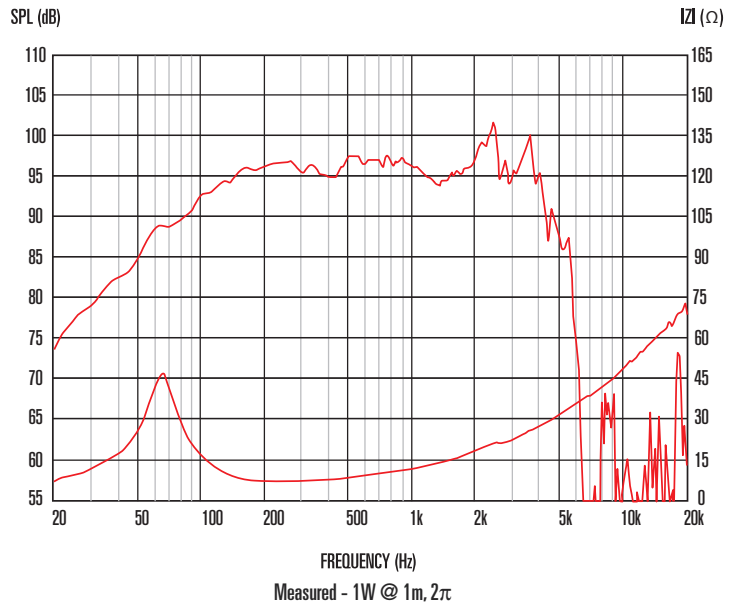
FTR12-3070C

Ferrite magnet aluminium chassis driver

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

Frequency Response and Impedance Curves



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 2π 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	8Ω
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	5.44Ω
Vas	39.57lt/1.40ft^3
Bl	18.78Tm
Cms	0.099mm/N
Rms	8.374kg/s
Le (at 1kHz)	1.25mH

Mounting Information

Overall 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 slot PCD range	298-304mm/11.7-12.0in
Unit weight	6.3kg/13.9lb

Packed Dimensions and 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	1210mm x 1050mm x 980mm /47.6in x 41.3in x 35.4in
Multipack (60) weight	400kg/880lb