CELESTION

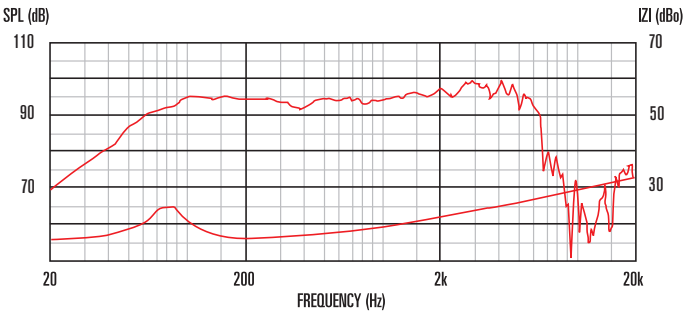
TF1015

Ferrite magnet steel chassis driver

Features

- **10" driver providing 95dB sensitivity and 70Wrms (AES standard) power handling**
- **1.5" high temperature copper voice coil wound on polyimide former for increased reliability**
- **Rigid chasis design for maximum energy transfer**
- **Vented magnet assembly for enhanced cooling**
- **Excellent bass and mid-range performance**

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.

Also available in 4Ω, data available on request

General Specifications

Nominal diameter	254mm/10in
Power rating[1]	70Wrms
Nominal impedance	8Ω
Sensitivity[2]	95dB
Frequency range	80-6000Hz
Voice coil diameter	38mm/1.5in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.48kg/17oz
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	0.21m/8.27in
Fs	85.4Hz
Mms	28.07g/0.99oz
Mmd	24.43g/0.86oz
Qms	3.624
Qes	1.477
Qts	1.049
Re	5.66Ω
Vas	21.02lt/0.742ft^3
Bl	7.6Tm
Cms	0.124mm/N
Rms	4.156kg/s
Le (at 1kHz)	0.59mH

Mounting Information

Overall diameter	256mm/10.08in
Overall depth	100mm/3.94in
Cut-out diameter	229mm/9.02in
Mounting slot dimensions	8mm x 6mm/0.31in x 0.24in
Number of mounting slots	4
Mounting PCD range	245mm/9.65in
Unit weight	1.7kg/3.7lb

Packed Dimensions & Weight

Single pack size W x D x H	280mm x 280mm x 120mm /11.0in x 11.0in x 4.7in
Single pack weight	2kg/4.4lb
Multi pack (96) size W x D x H	1080mm x 880mm x 840mm /42.5in x 34.6in x 33.1in
Multi pack (96) weight	200kg/441lb