CELESTION

LF Pressed Chassis / Ferrite

TF0818



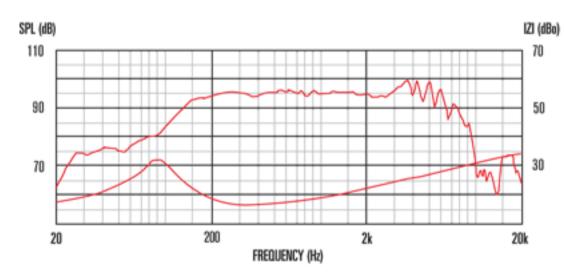




Features

- 8" driver providing 94dB sensitivity and 100Wrms (AES standard) power handling
- 1.75" high temperature copper voice coil wound on polyimide former for increased reliability
- Achieves optimal performance in compact enclosures
- · Exceptional performance through bass and mid-range
- Ideal for 2-way systems

Frequency Response 8



Measured - 1W @ 1m, 2π

General Specifications

| Nominal diameter | 203mm/8in |
|---------------------------|---------------------|
| Power rating ¹ | 100Wrms |
| Nominal impedance | 8 |
| Sensitivity ² | 94dB |
| Frequency range | 70-6000Hz |
| Voice coil diameter | 45mm/1.75in |
| Chassis type | Pressed steel |
| Magnet type | Ferrite |
| Magnet weight | 0.88kg/31oz |
| Coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax ³ | 3.5mm/0.14in |
| Gap depth | 6mm/0.24in |
| Voice coil winding width | 13mm/0.51in |

Small Signal Parameters

| D | 0.17m/6.69in |
|--------------|----------------|
| Fs | 95Hz |
| Mms | 17.53g/0.62oz |
| Mmd | 15.60g/0.55oz |
| Qms | 3.83 |
| Qes | 0.50 |
| Qts | 0.44 |
| Re | 6.40 |
| Vas | 12.6lt/0.44ft3 |
| BI | 11.36Tm |
| Cms | 0.17mm/N |
| Rms | 2.62kg/s |
| Le (at 1kHz) | 0.75mH |

Mounting Information

| Diameter | 208mm/8.19in |
|------------------|--------------|
| Overall depth | 99mm/3.54in |
| Cut-out diameter | 183mm/7.20in |

- 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.

Mounting slot dimensions 9.5mm x 5.5mm/0.37in x 0.22in Number of mounting slots 4 Mounting PCD range 195-199mm/7.68-7.83in Unit weight 2.3kg/5.1lb

Packed Dimensions & Weight

| Single pack size W x D x H | 230mm x 230mm x 110mm |
|--------------------------------|---------------------------|
| | /9.1in x 9.1in x 4.3in |
| Single pack weight | 3kg/6.6lb |
| Multipack (140) size W x D x H | 1070mmx850mmx860mm |
| | /42.1in x 33.5in x 33.9in |
| Multipack (140) weight | 435kg/959lb |



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