CELESTION

LF Loudspeakers

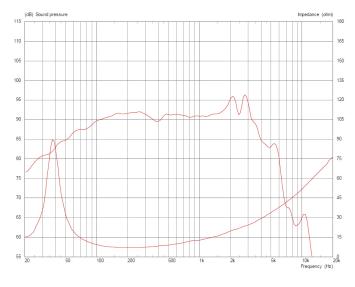
CF1025BMB



Mounting Information

Overall diameter 265mm / 10.43in Overall depth 124.5mm / 4.9in Cut-out diameter 233.8mm / 9.2in 8x6.5mm / 0.31x0.26in Mounting hole dimensions Number of mounting holes 244.5-247.5mm / Mounting hole PCD 9.63-9.75in Unit weight 4.3kg / 9.5lb

Frequency Response and Impedance Curves



10-inch, cast aluminium chassis, ferrite magnet mid/bass driver

- Optimised for bass and mid/bass applications
- Half-roll Elastomer surround enables greater Xmax and Xmech
- Modified T-pole profile ensures improved BI symmetry, for lower distortion performance
- Glass-loaded paper cone with weather-resistant coating
- Airflow vented magnet assembly for dynamic heat dispersion

600W 92.5dB Continuous sensitivity power rating

2.5in Round copper voice coil

8mm / 0.31in

17.3mm / 0.68in

General Specifications

Nominal Diameter 254mm / 10in Power Rating 300W Continuous power rating 600W Rated impedance 8 ohm Sensitivity 92.5dB Frequency range 45-5000Hz Chassis type Cast aluminium Magnet type Ferrite Magnet weight 1.42kg / 50oz Voice coil diameter 64mm / 2.5in Voice coil material Round copper Polyimide Former material Cone material Glass loaded paper (weather-resistant) Surround material Elastomer Single Suspension

Parameters

Gap height (Hg)

VC winding height (Hvc)

Sd 346.36cm2 / 53.69in2 Fs 40 9Hz Mms 55.865g / 1.97oz 7.952 Qms 0.371 Qes Ots 0.355 Re 6.04 ohm Vas 46.11 / 1.63 ft³ ΒΙ 15.28Tm 0.271 mm/N Cms 1.804mm/N Rms Le (at 1kHz) 1.15mH **Xmax** 6.65mm / 0.26in

Packed Dimensions & Weight

306mm x 306mm x 155mm / x Single pack size W x D x H 12in 12in x 6.1in Single pack weight 5.5kg / 12.1lb

Multi pack qty

Multi pack size W x D x H 555mm x 520mm x 290mm / x 21.9in 20.5in x 11.4in

Multi pack weight 45kg / 99lb

Power rating: Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker

Continuous power rating: Defined as 3dB greater than the AES rating. Sensitivity: Measured on axis at 1W, 1m in 2 pi anechoic environment. Parameters: Measured after unit subjected to pre-conditioning signal.

Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

