## CELESTIOח

## LF Loudspeakers

## FTR08-2011D



- Coated Kevlar-loaded cone for enhanced weather resistance
- Copper sleeved pole reduces HF inductive rise
- Airflow vented magnet assembly for dynamic heat dispersion


## Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency
response at $45^{\circ}$ off axis response at $45^{\circ}$ off axis

Power rating: 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
Continuous power rating: Defined as 3 dB greater than the AES rating.
Sensitivity: Measured on axis at $1 \mathrm{~W}, 1 \mathrm{~m}$ in 2 anechoic environment.
Parameters: Measured after unit subjected to pre-conditioning signal.
Xmax: $0.5^{*}(\mathrm{Hvc}-\mathrm{Hg})+0.25^{*} \mathrm{Hg}$

## General Specifications

| Nominal Diameter | $200 \mathrm{~mm} / 8 \mathrm{in}$ |
| :--- | :--- |
| Power Rating | 200 W |
| Continuous power rating | 400 W |
| EIA power rating | 350 W |
| Rated impedance | $8 \Omega$ |
| Sensitivity | 93 dB |
| Frequency range | $70-6000 \mathrm{~Hz}$ |
| Chassis type | Cast aluminium |
| Magnet type | Ferrite |
| Magnet weight | $1.2 \mathrm{~kg} / 42 \mathrm{oz}$ |
| Voice coil diameter | $50 \mathrm{~mm} / 2 \mathrm{in}$ |
| Voice coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax | $5.5 \mathrm{~mm} / 0.22 \mathrm{in}$ |
| Gap height (Hg) | $8 \mathrm{~mm} / 0.31 \mathrm{in}$ |
| VC winding height (Hvc) | $15 \mathrm{~mm} / 0.59 \mathrm{in}$ |

## Mounting Information

| Overall diameter | $225 \mathrm{~mm} / 8.8 \mathrm{in}$ |
| :--- | :--- |
| Overall depth | $102 \mathrm{~mm} / 4 \mathrm{in}$ |
| Cut-out diameter | $187 \mathrm{~mm} / 7.4 \mathrm{in}$ |
| Mounting hole dimensions | $6.5 \mathrm{~mm} / 0.26 \mathrm{in}$ |
| Number of mounting holes | 8 |
| Mounting hole PCD | $210 \mathrm{~mm} / 8.3 \mathrm{in}$ |
| Unit weight | $3.65 \mathrm{~kg} / 8 \mathrm{lb}$ |

## Parameters

| Sd | $226.98 \mathrm{~cm} 2 / 35.18 \mathrm{in} 2$ |
| :--- | :--- |
| Fs | 86.10 Hz |
| Mms | $27.75 \mathrm{~g} / 0.98 \mathrm{oz}$ |
| Qms | 2.238 |
| Qes | 0.541 |
| Qts | 0.436 |
| Re | $582 \Omega$ |
| Vas | $8.991 / 0.32 \mathrm{ft} 3$ |
| Bi | 12.71 Tm |
| Cms | $0.12 \mathrm{~mm} / \mathrm{N}$ |
| Rms | $6.71 \mathrm{~kg} / \mathrm{s}$ |
| Le (at 1 kHz$)$ | 0.38 mH |
| Xmax | $5.5 \mathrm{~mm} / 0.22 \mathrm{in}$ |

## Packed Dimensions \& Weight

| Single pack size $\mathrm{W} \times \mathrm{D} \times$ H | $\begin{aligned} & 226 \mathrm{~mm} \times 226 \mathrm{~mm} \times 130 \mathrm{~mm} / 8.9 \mathrm{in} \\ & \times 8.9 \mathrm{in} \times 5.1 \mathrm{in} \end{aligned}$ |
| :---: | :---: |
| Single pack weight | $3.8 \mathrm{~kg} / 8.4 \mathrm{lb}$ |
| Multi pack qty | 8 |
| Multi pack size W x D x H | $\begin{aligned} & 470 \mathrm{~mm} \times 450 \mathrm{~mm} \times 270 \mathrm{~mm} / 18.5 \mathrm{in} \\ & \times 17.7 \mathrm{in} \times 10.6 \mathrm{in} \end{aligned}$ |
| Multi pack weight | $31 \mathrm{~kg} / 68 \mathrm{lb}$ |

