

### CN0617M

6.5-inch cast aluminium chassis, neodymium magnet midrange driver



- **Inverted dustcap for close positioning of phase plug.**
- **High temperature environmentally robust foam surround.**
- **Copper sleeved pole to reduce distortion.**
- **Chassis design allows for fixing of rear cover**

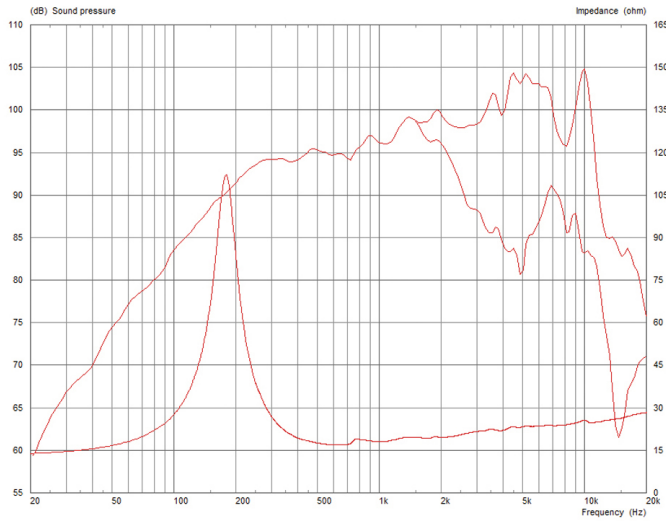
### General Specifications

|                         |                                 |
|-------------------------|---------------------------------|
| Nominal Diameter        | 165mm / 6.5in                   |
| Power Rating            | 200W                            |
| Continuous power rating | 400W                            |
| Rated impedance         | 16 $\Omega$                     |
| Sensitivity             | 99dB                            |
| Frequency range         | 300-7000Hz                      |
| Chassis type            | Cast aluminium                  |
| Magnet type             | Neodymium                       |
| Voice coil diameter     | 44mm / 1.75in                   |
| Voice coil material     | Edgewound copper clad aluminium |
| Former material         | Glass fibre                     |
| Cone material           | Kevlar loaded paper             |
| Surround material       | Temperature-resistant foam      |
| Suspension              | Single                          |
| Gap height (Hg)         | 6mm / 0.24in                    |
| VC winding height (Hvc) | 8.4mm / 0.33in                  |

### Mounting Information

|                          |                         |
|--------------------------|-------------------------|
| Overall diameter         | 189mm / 7.44in (max)    |
| Overall depth            | 68mm / 2.7in            |
| Cut-out diameter         | 150mm / 5.9in           |
| Mounting hole dimensions | 7.5x5.5mm / 0.3x0.22in  |
| Number of mounting holes | 4                       |
| Mounting hole PCD        | 173-175mm / 6.81-6.89in |
| Unit weight              | 1.1kg / 2.4lb           |

## Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° 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 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2 anechoic environment.

Parameters: Measured after unit subjected to pre-conditioning signal.

Xmax:  $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

## Parameters

|      |  |
|------|--|
| Sd   | 153.94cm <sup>2</sup> / 23.86in <sup>2</sup> |
| Fs   | 197.50Hz                                     |
| Mms  | 10.75g / 0.38oz                              |
| Qms  | 5.641  |
| Qes  | 0.550  |
| Qts  | 0.501  |
| Re   | 12.85 Ω                                      |
| Vas  | 2.03l / 0.07ft <sup>3</sup>                  |
| Bi   | 17.65Tm                                      |
| Cms  | 0.06mm/N                                     |
| Rms  | 2.36kg/s                                     |
| Xmax | 2.7mm / 0.11in                               |

## Packed Dimensions & Weight

|                           |   |
|---------------------------|---|
| Multi pack qty            | 8   |
| Multi pack size W x D x H | 350mm x 350mm x 190mm / 13.7in x 13.7in x 7.4in |
| Multi pack weight         | 10kg / 22lb                                     |

**CELESTION**