

# SMC-55

## HIGH FREQUENCY COMPRESSION DRIVER

### DESCRIPTION

This 2" professional high quality compression driver features a lightweight diaphragm assembly made with pure titanium material for the dome and surround, attached to a 3" edgewound aluminium ribbon voice coil, providing exceptional high acoustic pressure over an extremely wide frequency range. The use of a rim centred diaphragm permits simple field replacement without soldering.



### SPECIFICATIONS

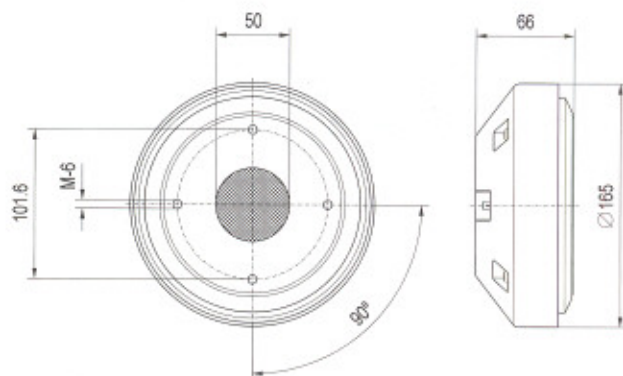
|                          |                                          |         |
|--------------------------|------------------------------------------|---------|
| Throat diameter          | 49 mm                                    | 2 in    |
| Rated impedance          | 8 ohms                                   |         |
| D.C. Resistance          | 5.6 ohms                                 |         |
| Power capacity           | 70 w RMS above 1 kHz                     |         |
| Program power            | 140 w above 1 kHz                        |         |
| Sensitivity              | 108 dB 1 w @ 1m coupled to TD 460/N horn |         |
| Frequency range          | 0.6 - 17 kHz                             |         |
| Recommended crossover    | 0.8 kHz or higher                        |         |
| Voice coil diameter      | 72.2 mm                                  | 2.84 in |
| Magnetic assembly weight | 3.2 kg                                   | 7.04 lb |
| Flux density             | 1.65 T                                   |         |
| BL factor                | 9 N/A                                    |         |

### MOUNTING INFORMATION

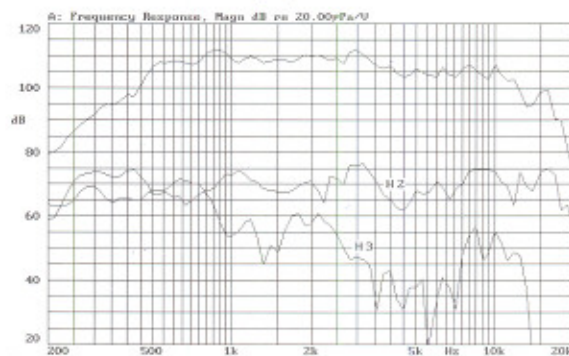
|                  |                                                                |        |
|------------------|----------------------------------------------------------------|--------|
| Overall diameter | 165 mm                                                         | 6.5 in |
| Depth            | 66 mm                                                          | 2.6 in |
| Net weight       | 4 kg                                                           | 8.8 lb |
| Shipping weight  | 4.5 kg                                                         | 9.9 lb |
| Mounting         | Four M-6 threaded holes, 90° apart on 101.6 mm diameter circle |        |

### MATERIALS

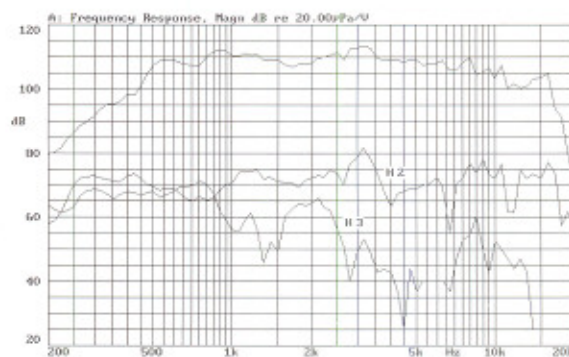
|                   |           |
|-------------------|-----------|
| Diaphragm         | Titanium  |
| Voice coil        | Aluminium |
| Voice coil former | Kapton    |
| Magnet            | Ferrite   |



FREQUENCY RESPONSE & DISTORTION CURVES, MAGN. On axis, 1w @ 1m.  
Coupling to TD400 Horn



FREQUENCY RESPONSE & DISTORTION CURVES, MAGN. On axis, 1w @ 1m.  
Coupling to TD460 Horn



FREQUENCY RESPONSE & DISTORTION CURVES, MAGN. On axis, 1w @ 1m.  
Coupling to TD590 Horn

