

# HF109

1" - 60 W - 108 dB - 16 Ohm



### NOMINAL SPECIFICATIONS

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Throat Diameter                     | 25,4 mm (1 in)                             |
| Overall Diameter                    | 121 mm (4.76 in)                           |
| 180° Mounting Holes Diameter (2xM6) | 76 mm (2.99 in)                            |
| Depth                               | 55 mm (2.17 in)                            |
| <b>Net Weight</b>                   | <b>2.2 kg (4.9 lb)</b>                     |
| Shipping Box<br>(Single carton box) | 185 x 170 x 102 mm<br>(7.3 x 6.7 x 4.0 in) |
| Shipping Weight                     | 2.5 kg (5.5 lb)                            |

### PART NUMBER

|                                   |          |
|-----------------------------------|----------|
| Faston Terminals - 16 Ohm Version | 00444203 |
| Recone Kit - 16 Ohm Version       | R0444203 |

### NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) 12 dB/oct or higher slope high-pass filter
- (4) Averaged within the frequency range
- (5) The phase plug is recessed from the driver's exit which is at the end of a conical adaptation horn.

### TECHNICAL PARAMETERS

|                                    |                        |
|------------------------------------|------------------------|
| Nominal Impedance                  | 16 Ohm                 |
| Minimum Impedance                  | 13.2 Ohm               |
| AES Power Handling (1)             | 60 W                   |
| <b>Maximum Power Handling (2)</b>  | <b>120 W</b>           |
| Minimum Crossover Frequency (3)    | 1.3 kHz                |
| <b>Sensitivity (1W/1m) (4)</b>     | <b>108 dB</b>          |
| Frequency Range                    | 1÷20 kHz               |
| <b>Voice Coil Diameter</b>         | <b>44 mm (1.73 in)</b> |
| <b>Winding Material</b>            | <b>Al</b>              |
| Former Material                    | Kapton                 |
| <b>Diaphragm Material</b>          | <b>Ketone Polymer</b>  |
| Diaphragm Shape                    | Dome                   |
| Winding Depth                      | 2.9 mm (0.11 in)       |
| Magnetic Gap Depth                 | 2.85 mm (0.11 in)      |
| Flux Density                       | 1.8 T                  |
| Magnet                             | Ferrite Ring           |
| Re                                 | 10.5 Ohm               |
| Phase Plug Design                  | Annular                |
| Exit Angle (5)                     | 13° Conical            |
| NET Air Volume filled by HF Driver | 0.43 dm³ (0.015 ft³)   |

