

# HF146R

1.4" - 80 W - 109 dB - 16 Ohm



## NOMINAL SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| Throat Diameter                    | 35.6 mm (1.4 in)                        |
| Overall Diameter                   | 123 mm (4.84 in)                        |
| 90° Mounting Holes Diameter (4xM6) | 102 mm (4.02 in)                        |
| Depth                              | 63.5 mm (2.5 in)                        |
| <b>Net Weight</b>                  | <b>2 kg (4.4 lb)</b>                    |
| Shipping Box (Single carton box)   | 185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in) |
| Shipping Weight                    | 2.3 kg (5.1 lb)                         |

## PART NUMBER

|                                 |          |
|---------------------------------|----------|
| Push Terminals - 16 Ohm Version | 00654256 |
|---------------------------------|----------|

## 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                      | 15 Ohm  |
| <b>AES Power above 0.9 kHz (1)</b>     | <b>80 W</b>                                   |
| AES Power above 0.65 kHz               | 40 W  |
| <b>Maximum Power above 0.9 kHz (2)</b> | <b>160 W</b>                                  |
| Maximum Power above 0.65 kHz           | 80 W  |
| Minimum Crossover Frequency (3)        | 0.9 kHz                                       |
| <b>Sensitivity (1W/1m) (4)</b>         | <b>109 dB</b>                                 |
| Frequency Range                        | 0.7÷18 kHz                                    |
| <b>Voice Coil Diameter</b>             | <b>65 mm (2.56 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                          | 3 mm (0.12 in)                                |
| Magnetic Gap Depth                     | 4.2 mm (0.17 in)                              |
| Flux Density                           | 1.7 T   |
| Magnet                                 | Neodymium Slug Crown                          |
| Re                                     | 11 Ohm  |
| Phase Plug Design                      | Annular                                       |
| Exit Angle (5)                         | 29° Conical                                   |
| NET Air Volume filled by HF Driver     | 0.55 dm <sup>3</sup> (0.019 ft <sup>3</sup> ) |

