

# 5FE105

5" - 80 W - 88 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

|  |   |
|--|---|
| Nominal Diameter                           | 130 mm (5 in)                             |
| Overall Diameter                           | 146.4 mm (5.8 in)                         |
| Bolt Circle Diameter                       | 133 mm (5.24 in)                          |
| Baffle Cutout Diameter                     | 114 mm (4.49 in)                          |
| Depth                                      | 72.8 mm (2.86 in)                         |
| Flange and Gasket Thickness                | 7.8 mm (0.30 in)                          |
| <b>Net Weight</b>                          | <b>1.12 kg (2.5 lb)</b>                   |
| Shipping Box (Single Carton Box - 8 units) | 302 x 275 x 186 mm (11.9 x 10.8 x 7.3 in) |
| Shipping Weight (8 units)                  | 10.1 kg (22.3 lb)                         |

## PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01304362 |
|----------------------------------|----------|

## NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) NBR (Rubber)
- (4)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

|                                      |  |
|--------------------------------------|--|
| Nominal Impedance                    | 8 Ohm  |
| Minimum Impedance                    | 6.3 Ohm                                      |
| AES Power Handling (1)               | 80 W   |
| <b>Maximum Power Handling (2)</b>    | <b>160 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>88 dB</b>                                 |
| Frequency Range                      | 63-6300 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>32 mm (1.26 in)</b>                       |
| Winding Material                     | Cu   |
| Former Material                      | Kapton                                       |
| Winding Depth                        | 12.5 mm (0.49 in)                            |
| <b>Magnetic Gap Depth</b>            | <b>6 mm (0.24 in)</b>                        |
| Flux Density                         | 1 T  |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Steel  |
| Demodulation                         | No   |
| Cone Surround (3)                    | Half Roll                                    |
| NET Air Volume filled by Loudspeaker | 0.3 dm <sup>3</sup> (0.011 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                     |

## THIELE & SMALL PARAMETERS

|             |   |
|-------------|---|
| Fs          | 65 Hz                                       |
| Re          | 5.4 Ohm                                     |
| Qes         | 0.48  |
| Qms         | 8.2   |
| Qts         | 0.45  |
| Vas         | 5.7 dm <sup>3</sup> (0.20 ft <sup>3</sup> ) |
| Sd          | 84 cm <sup>2</sup> (13.07 in <sup>2</sup> ) |
| Xmax (4)    | 5.25 mm                                     |
| Xdamage (5) | 9.5 mm                                      |
| Mms         | 10.5 g                                      |
| Bl          | 6.9 N/A                                     |
| Le          | 0.53 mH                                     |
| Mmd         | 9.6 g                                       |
| Cms         | 0.57 mm/N                                   |
| Rms         | 0.52 kg/s                                   |
| Eta Zero    | 0.31 %                                      |
| EBP         | 135 Hz                                      |

