

# 3FE25

3" - 20 W - 90 dB - 16 Ohm



## NOMINAL SPECIFICATIONS

|  |   |
|--|---|
| Nominal Diameter                               | 80 mm (3 in)                                  |
| Overall Diameter                               | 105.6/81 mm (4.16/3.19 in)                    |
| Bolt Circle Diameter                           | 92 mm (3.62 in)                               |
| Baffle Cutout Diameter                         | 73.6 mm (2.90 in)                             |
| Depth  | 54.5 mm (2.15 in)                             |
| Flange and Gasket Thickness                    | 6.5 mm (0.26 in)                              |
| <b>Net Weight</b>                              | <b>545 g (1.2 lb)</b>                         |
| Shipping Box<br>(Single Carton Box - 36 units) | 285 x 285 x 255 mm<br>(11.2 x 11.2 x 10.0 in) |
| Shipping Weight (36 units)                     | 20.8 kg (45.9 lb)                             |

## PART NUMBER

|                                   |          |
|-----------------------------------|----------|
| Faston Terminals - 16 Ohm Version | 00804128 |
|-----------------------------------|----------|

## 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                    | 16 Ohm   |
| Minimum Impedance                    | 13.4 Ohm                                       |
| AES Power Handling (1)               | 20 W   |
| <b>Maximum Power Handling (2)</b>    | <b>40 W</b>                                    |
| <b>Sensitivity (1W/1m)</b>           | <b>90 dB</b>                                   |
| Frequency Range                      | 100-20000 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>19 mm (0.75 in)</b>                         |
| Winding Material                     | Al   |
| Former Material                      | Kapton   |
| Winding Depth                        | 5 mm (0.20 in)                                 |
| <b>Magnetic Gap Depth</b>            | <b>4 mm (0.16 in)</b>                          |
| Flux Density                         | 1.1 T  |
| Magnet                               | Ferrite Ring                                   |
| Basket Material                      | Steel  |
| Demodulation                         | Copper Cap                                     |
| Cone Surround (3)                    | Half Roll                                      |
| NET Air Volume filled by Loudspeaker | 0.125 dm <sup>3</sup> (0.004 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                       |

## THIELE & SMALL PARAMETERS

|             |   |
|-------------|---|
| Fs          | 110 Hz                                      |
| Re          | 12.3 Ohm                                    |
| Qes         | 1.0   |
| Qms         | 4.9   |
| Qts         | 0.83  |
| Vas         | 1.3 dm <sup>3</sup> (0.05 ft <sup>3</sup> ) |
| Sd          | 33 cm <sup>2</sup> (5.12 in <sup>2</sup> )  |
| Xmax (4)    | 1.83 mm                                     |
| Xdamage (5) | 7.9 mm                                      |
| Mms         | 2.4 g                                       |
| Bl          | 4.5 N/A                                     |
| Le          | 0.1 mH                                      |
| Mmd         | 2.2 g                                       |
| Cms         | 0.88 mm/N                                   |
| Rms         | 0.34 kg/s                                   |
| Eta Zero    | 0.17 %                                      |
| EBP         | 110 Hz                                      |

