

# 6FE300

6" - 175 W - 94 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| Nominal Diameter                    | 160 mm (6 in)                                 |
| Overall Diameter                    | 166.5 mm (6.56 in)                            |
| Bolt Circle Diameter                | 155 mm (6.10 in)                              |
| Baffle Cutout Diameter              | 146 mm (5.75 in)                              |
| Depth                               | 81 mm (3.19 in)                               |
| Flange and Gasket Thickness         | 7 mm (0.28 in)                                |
| <b>Net Weight</b>                   | <b>2.8 kg (6.2 lb)</b>                        |
| Shipping Box<br>(Single Carton Box) | 190 x 185 x 103 mm<br>(7.48 x 7.28 x 4.05 in) |
| Shipping Weight                     | 3 kg (6.6 lb)                                 |

## PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01604323 |
|----------------------------------|----------|

## NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003  
 (2) Maximum power is defined as 3dB greater than nominal power.  
 (3) Treated Polycotton  
 (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                    | 6.5 Ohm                                      |
| AES Power Handling (1)               | 175 W                                        |
| <b>Maximum Power Handling (2)</b>    | <b>350 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>94 dB</b>                                 |
| Frequency Range                      | 90-4000 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>52 mm (2.05 in)</b>                       |
| Winding Material                     | Al                                           |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 9.8 mm (0.39 in)                             |
| <b>Magnetic Gap Depth</b>            | <b>6 mm (0.24 in)</b>                        |
| Flux Density                         | 1.15 T                                       |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Steel                                        |
| Demodulation                         | No                                           |
| Cone Surround (3)                    | M-Roll                                       |
| NET Air Volume filled by Loudspeaker | 0.6 dm <sup>3</sup> (0.021 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                     |

## THIELE & SMALL PARAMETERS

|             |                                              |
|-------------|----------------------------------------------|
| Fs          | 100 Hz                                       |
| Re          | 5.3 Ohm                                      |
| Qes         | 0.48                                         |
| Qms         | 10.5                                         |
| Qts         | 0.46                                         |
| Vas         | 4.7 dm <sup>3</sup> (0.17 ft <sup>3</sup> )  |
| Sd          | 138 cm <sup>2</sup> (21.39 in <sup>2</sup> ) |
| Xmax (4)    | 3.90 mm                                      |
| Xdamage (5) | 13.1 mm                                      |
| Mms         | 14.2 g                                       |
| Bl          | 10 N/A                                       |
| Le          | 0.4 mH                                       |
| Mmd         | 12.4 g                                       |
| Cms         | 0.18 mm/N                                    |
| Rms         | 0.8 kg/s                                     |
| Eta Zero    | 0.97 %                                       |
| EBP         | 208 Hz                                       |

