

# 6FE200

6" - 130 W - 95 dB - 8 Ohm



### NOMINAL SPECIFICATIONS

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Nominal Diameter                    | 160 mm (6 in)                              |
| Overall Diameter                    | 167.4 mm (6.59 in)                         |
| Bolt Circle Diameter                | 154 mm (6.06 in)                           |
| Baffle Cutout Diameter              | 144 mm (5.67 in)                           |
| Depth                               | 77 mm (3.03 in)                            |
| Flange and Gasket Thickness         | 8 mm (0.31 in)                             |
| <b>Net Weight</b>                   | <b>2 kg (4.4 lb)</b>                       |
| Shipping Box<br>(Single Carton Box) | 190 x 185 x 103 mm<br>(7.5 x 7.3 x 4.1 in) |
| Shipping Weight                     | 2.2 kg (4.9 lb)                            |

### PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01604017 |
|----------------------------------|----------|

### 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                    | 6.8 Ohm                                       |
| AES Power Handling (1)               | 130 W                                         |
| <b>Maximum Power Handling (2)</b>    | <b>260 W</b>                                  |
| <b>Sensitivity (1W/1m)</b>           | <b>95 dB</b>                                  |
| Frequency Range                      | 85-6000 Hz                                    |
| <b>Voice Coil Diameter</b>           | <b>37 mm (1.46 in)</b>                        |
| Winding Material                     | Al                                            |
| Former Material                      | Kapton                                        |
| Winding Depth                        | 12 mm (0.47 in)                               |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                         |
| Flux Density                         | 1 T                                           |
| Magnet                               | Ferrite Ring                                  |
| Basket Material                      | Steel                                         |
| Demodulation                         | No                                            |
| Cone Surround (3)                    | M-Roll                                        |
| NET Air Volume filled by Loudspeaker | 0.45 dm <sup>3</sup> (0.016 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                      |

### THIELE & SMALL PARAMETERS

|             |                                              |
|-------------|----------------------------------------------|
| Fs          | 120 Hz                                       |
| Re          | 5.9 Ohm                                      |
| Qes         | 0.75                                         |
| Qms         | 6.2                                          |
| Qts         | 0.67                                         |
| Vas         | 3.6 dm <sup>3</sup> (0.13 ft <sup>3</sup> )  |
| Sd          | 131 cm <sup>2</sup> (20.23 in <sup>2</sup> ) |
| Xmax (4)    | 4.67 mm                                      |
| Xdamage (5) | 10.4 mm                                      |
| Mms         | 11.5 g                                       |
| Bl          | 8.2 N/A                                      |
| Le          | 0.4 mH                                       |
| Mmd         | 9.8 g                                        |
| Cms         | 0.15 mm/N                                    |
| Rms         | 1.4 kg/s                                     |
| Eta Zero    | 0.80 %                                       |
| EBP         | 160 Hz                                       |

