

6FE100



6" - 100 W - 91 dB - 8 Ohm

NOMINAL SPECIFICATIONS

| | |
|---|--|
| Nominal Diameter | 160 mm (6 in) |
| Overall Diameter | 181.2/164 mm (7.13/6.46 in) |
| Bolt Circle Diameter | 167 mm (6.57 in) |
| Baffle Cutout Diameter | 147 mm (5.79 in) |
| Depth | 84.5 mm (3.33 in) |
| Flange and Gasket Thickness | 8 mm (0.31 in) |
| Net Weight | 1.2 kg (2.6 lb) |
| Shipping Box (Single Carton Box - 4 units) | 393 x 380 x 128 mm (15.5 x 15.0 x 5.0 in) |
| Shipping Weight (4 units) | 5.6 kg (12.3 lb) |

PART NUMBER

| | |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01603942 |
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NOTES:

Packaged and sold in multiples of 4 units

(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 | 5.9 Ohm |
| AES Power Handling (1) | 100 W |
| Maximum Power Handling (2) | 200 W |
| Sensitivity (1W/1m) | 91 dB |
| Frequency Range | 63-5000 Hz |
| Voice Coil Diameter | 32 mm (1.26 in) |
| Winding Material | Cu |
| Former Material | Kapton |
| Winding Depth | 12.5 mm (0.49 in) |
| Magnetic Gap Depth | 6 mm (0.24 in) |
| Flux Density | 1 T |
| Magnet | Ferrite Ring |
| Basket Material | Steel |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.4 dm ³ (0.014 ft ³) |
| Spider Profile | 1x constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 61 Hz |
| Re | 5.4 Ohm |
| Qes | 0.60 |
| Qms | 6.0 |
| Qts | 0.55 |
| Vas | 15.1 dm ³ (0.53 ft ³) |
| Sd | 149 cm ² (23.10 in ²) |
| Xmax (4) | 5.25 mm |
| Xdamage (5) | 13.15 mm |
| Mms | 14.0 g |
| Bl | 6.8 N/A |
| Le | 0.5 mH |
| Mmd | 11.9 g |
| Cms | 0.48 mm/N |
| Rms | 0.90 kg/s |
| Eta Zero | 0.53 % |
| EBP | 102 Hz |

