

5FE100

5" - 80 W - 88 dB - 8 Ohm



NOMINAL SPECIFICATIONS

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|--|---|
| Nominal Diameter | 130 mm (5 in) |
| Overall Diameter | 144.8/124.5 mm (5.7/4.9 in) |
| Bolt Circle Diameter | 133 mm (5.24 in) |
| Baffle Cutout Diameter | 114 mm (4.49 in) |
| Depth | 71.5 mm (2.81 in) |
| Flange and Gasket Thickness | 6.5 mm (0.25 in) |
| Net Weight | 1.12 kg (2.5 lb) |
| 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 | 01303917 |
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NOTES:

- Packaged and sold in multiples of 8 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 | 6.3 Ohm |
| AES Power Handling (1) | 80 W |
| Maximum Power Handling (2) | 160 W |
| Sensitivity (1W/1m) | 88 dB |
| Frequency Range | 63-6300 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 | No |
| Cone Surround (3) | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.3 dm ³ (0.011 ft ³) |
| 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 ³ (0.20 ft ³) |
| Sd | 84 cm ² (13.07 in ²) |
| 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 |

