

4FE35

4" - 30 W - 91 dB - 8 Ohm



NOMINAL SPECIFICATIONS

| | |
|---|--|
| Nominal Diameter | 100 mm (4 in) |
| Overall Diameter | 129.85/100.5 mm (5.11/3.96 in) |
| Bolt Circle Diameter | 115.26 mm (4.54 in) |
| Baffle Cutout Diameter | 91.5 mm (3.60 in) |
| Depth | 58.3 mm (2.30 in) |
| Flange and Gasket Thickness | 7.2 mm (0.28 in) |
| Net Weight | 570 g (1.3 lb) |
| Shipping Box (Single Carton Box - 8 units) | 225 x 225 x 150 mm (8.9 x 8.9 x 5.9 in) |
| Shipping Weight (8 units) | 5 kg (11.0 lb) |

PART NUMBER

| | |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01004086 |
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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 | 7.2 Ohm |
| AES Power Handling (1) | 30 W |
| Maximum Power Handling (2) | 60 W |
| Sensitivity (1W/1m) | 91 dB |
| Frequency Range | 90~20000 Hz |
| Voice Coil Diameter | 19 mm (0.75 in) |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 6.8 mm (0.27 in) |
| Magnetic Gap Depth | 4 mm (0.16 in) |
| 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 | 0.150 dm^3 (0.005 ft^3) |
| Spider Profile | 1x constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|-----------------------|
| Fs | 100 Hz |
| Re | 6.5 Ohm |
| Qes | 1.04 |
| Qms | 4.2 |
| Qts | 0.83 |
| Vas | 2.4 dm^3 (0.07 ft^3) |
| Sd | 51.9 cm^2 (8.04 in^2) |
| Xmax (4) | 2.73 mm |
| Xdamage (5) | 6.8 mm |
| Mms | 3.9 g |
| Bl | 3.9 N/A |
| Le | 0.1 mH |
| Mmd | 3.5 g |
| Cms | 0.65 mm/N |
| Rms | 0.6 kg/s |
| Eta Zero | 0.23 % |
| EBP | 96 Hz |

