

4FE42



4" - 40 W - 94 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 | 54.1 mm (2.13 in) |
| Flange and Gasket Thickness | 7 mm (0.28 in) |
| Net Weight | 390 g (0.9 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) | 3.6 kg (7.9 lb) |

PART NUMBER

| | |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01004370 |
|----------------------------------|----------|

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 | 6.2 Ohm |
| AES Power Handling (1) | 40 W |
| Maximum Power Handling (2) | 80 W |
| Sensitivity (1W/1m) | 94 dB |
| Frequency Range | 100-20000 Hz |
| Voice Coil Diameter | 25 mm (0.98 in) |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 7 mm (0.28 in) |
| Magnetic Gap Depth | 4 mm (0.16 in) |
| Flux Density | 1.4 T |
| Magnet | Neodymium Ring |
| Basket Material | Steel |
| Demodulation | Copper Cap |
| Cone Surround (3) | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.105 dm ³ (0.004 ft ³) |
| Spider Profile | 1x constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 110 Hz |
| Re | 5.4 Ohm |
| Qes | 0.50 |
| Qms | 8.0 |
| Qts | 0.47 |
| Vas | 1.9 dm ³ (0.07 ft ³) |
| Sd | 50.9 cm ² (7.89 in ²) |
| Xmax (4) | 2.83 mm |
| Xdamage (5) | 5.1 mm |
| Mms | 4.0 g |
| Bl | 6 N/A |
| Le | 0.07 mH |
| Mmd | 3.6 g |
| Cms | 0.52 mm/N |
| Rms | 0.3 kg/s |
| Eta Zero | 0.59 % |
| EBP | 220 Hz |

