

12FE300



12" - 250 W - 95 dB - 4 Ohm

NOMINAL SPECIFICATIONS

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|----------------------------------|--|
| Nominal Diameter | 300 mm (12 in) |
| Overall Diameter | 311 mm (12.24 in) |
| Bolt Circle Diameter | 294 mm (11.57 in) |
| Baffle Cutout Diameter | 284 mm (11.18 in) |
| Depth | 133 mm (5.24 in) |
| Flange and Gasket Thickness | 8 mm (0.31 in) |
| Net Weight | 3.5 kg (7.7 lb) |
| Shipping Box (Single Carton Box) | 350 x 346 x 190 mm (13.7 x 13.6 x 7.48 in) |
| Shipping Weight | 4.3 kg (9.5 lb) |

PART NUMBER

| | |
|----------------------------------|----------|
| Faston Terminals - 4 Ohm Version | 03004358 |
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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 | 4 Ohm |
| Minimum Impedance | 3.6 Ohm |
| AES Power Handling (1) | 250 W |
| Maximum Power Handling (2) | 500 W |
| Sensitivity (1W/1m) | 95 dB |
| Frequency Range | 50-4000 Hz |
| Voice Coil Diameter | 52 mm (2.05 in) |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 13.6 mm (0.54 in) |
| Magnetic Gap Depth | 8 mm (0.31 in) |
| Flux Density | 1.1 T |
| Magnet | Ferrite Ring |
| Basket Material | Steel |
| Demodulation | No |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 2 dm ³ (0.071 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 47 Hz |
| Re | 3.1 Ohm |
| Qes | 0.45 |
| Qms | 13.2 |
| Qts | 0.44 |
| Vas | 81.4 dm ³ (2.87 ft ³) |
| Sd | 543 cm ² (84.17 in ²) |
| Xmax (4) | 5.47 mm |
| Xdamage (5) | 16.7 mm |
| Mms | 58.0 g |
| Bl | 10.9 N/A |
| Le | 0.55 mH |
| Mmd | 43.7 g |
| Cms | 0.20 mm/N |
| Rms | 1.3 kg/s |
| Eta Zero | 1.83 % |
| EBP | 104 Hz |

