

8PR210



8" - 200 W - 94 dB - 16 Ohm

NOMINAL SPECIFICATIONS

| | |
|----------------------------------|---|
| Nominal Diameter | 200 mm (8 in) |
| Overall Diameter | 223.7/207.9 mm (8.81/8.18 in) |
| Bolt Circle Diameter | 210 mm (8.27 in) |
| Baffle Cutout Diameter | 183 mm (7.20 in) |
| Depth | 98.5 mm (3.88 in) |
| Flange and Gasket Thickness | 10.8 mm (0.43 in) |
| Net Weight | 4.3 kg (9.5 lb) |
| Shipping Box (Single Carton Box) | 235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in) |
| Shipping Weight | 4.6 kg (10.1 lb) |

PART NUMBER

| | |
|-----------------------------------|----------|
| Faston Terminals - 16 Ohm Version | 02004270 |
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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 | 16 Ohm |
| Minimum Impedance | 13.6 Ohm |
| AES Power Handling (1) | 200 W |
| Maximum Power Handling (2) | 400 W |
| Sensitivity (1W/1m) | 94 dB |
| Frequency Range | 70-5000 Hz |
| Voice Coil Diameter | 52 mm (2.05 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 17 mm (0.67 in) |
| Magnetic Gap Depth | 8 mm (0.31 in) |
| Flux Density | 1.3 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 1.06 dm ³ (0.037 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 65 Hz |
| Re | 11.2 Ohm |
| Qes | 0.37 |
| Qms | 4.3 |
| Qts | 0.34 |
| Vas | 15.7 dm ³ (0.56 ft ³) |
| Sd | 216 cm ² (33.48 in ²) |
| Xmax (4) | 7.17 mm |
| Xdamage (5) | 15.7 mm |
| Mms | 24.8 g |
| Bl | 17.4 N/A |
| Le | 0.75 mH |
| Mmd | 21.2 g |
| Cms | 0.24 mm/N |
| Rms | 2.3 kg/s |
| Eta Zero | 1.12 % |
| EBP | 176 Hz |

