

8PR200



8" - 200 W - 94 dB - 16 Ohm

NOMINAL SPECIFICATIONS

| | |
|----------------------------------|---|
| Nominal Diameter | 200 mm (8 in) |
| Overall Diameter | 223.75/207.9 mm (8.81/8.18 in) |
| Bolt Circle Diameter | 210 mm (8.27 in) |
| Baffle Cutout Diameter | 183 mm (7.20 in) |
| Depth | 116.7 mm (4.59 in) |
| Flange and Gasket Thickness | 10.7 mm (0.42 in) |
| Net Weight | 2.1 kg (4.6 lb) |
| Shipping Box (Single Carton Box) | 235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in) |
| Shipping Weight | 2.5 kg (5.5 lb) |

PART NUMBER

| | |
|---------------------------------|----------|
| Push Terminals - 16 Ohm Version | 02004117 |
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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 | 14 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 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 20.3 mm (0.80 in) |
| Magnetic Gap Depth | 9 mm (0.35 in) |
| Flux Density | 1.15 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 1 dm ³ (0.035 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 60 Hz |
| Re | 11.8 Ohm |
| Qes | 0.49 |
| Qms | 8.8 |
| Qts | 0.46 |
| Vas | 16.1 dm ³ (0.57 ft ³) |
| Sd | 209 cm ² (32.40 in ²) |
| Xmax (4) | 8.65 mm |
| Xdamage (5) | 13.5 mm |
| Mms | 26.7 g |
| Bl | 15.5 N/A |
| Le | 0.87 mH |
| Mmd | 23.3 g |
| Cms | 0.26 mm/N |
| Rms | 1.1 kg/s |
| Eta Zero | 0.68 % |
| EBP | 122 Hz |

