

8RS250

8" - 200 W - 93 dB - 8 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 | 108 mm (4.25 in) |
| Flange and Gasket Thickness | 15.3 mm (0.60 in) |
| Net Weight | 4.4 kg (9.7 lb) |
| Shipping Box (Single Carton Box) | 235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in) |
| Shipping Weight | 4.7 kg (10.4 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 02004221 |
|--------------------------------|----------|

NOTES:

- (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 Ohm |
| AES Power Handling (1) | 200 W |
| Maximum Power Handling (2) | 400 W |
| Sensitivity (1W/1m) | 93 dB |
| Frequency Range | 60-6300 Hz |
| Voice Coil Diameter | 52 mm (2 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 16.5 mm (0.65 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) | Half Roll |
| NET Air Volume filled by Loudspeaker | 1.17 dm ³ (0.041 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 56 Hz |
| Re | 5.7 Ohm |
| Qes | 0.34 |
| Qms | 5.7 |
| Qts | 0.32 |
| Vas | 18.3 dm ³ (0.65 ft ³) |
| Sd | 223 cm ² (34.57 in ²) |
| Xmax (4) | 6.92 mm |
| Xdamage (5) | 15.7 mm |
| Mms | 30.6 g |
| Bl | 13.5 N/A |
| Le | 0.35 mH |
| Mmd | 26.8 g |
| Cms | 0.26 mm/N |
| Rms | 1.9 kg/s |
| Eta Zero | 0.93 % |
| EBP | 165 Hz |

