

10PR300

10" - 300 W - 97 dB - 16 Ohm



NOMINAL SPECIFICATIONS

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|----------------------------------|---|
| Nominal Diameter | 250 mm (10 in) |
| Overall Diameter | 261 mm (10.28 in) |
| Bolt Circle Diameter | 246 mm (9.69 in) |
| Baffle Cutout Diameter | 232 mm (9.13 in) |
| Depth | 115.3 mm (4.54 in) |
| Flange and Gasket Thickness | 12.2 mm (0.48 in) |
| Net Weight | 2.3 kg (5.1 lb) |
| Shipping Box (Single Carton Box) | 294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in) |
| Shipping Weight | 2.8 kg (6.2 lb) |

PART NUMBER

| | |
|---------------------------------|----------|
| Push Terminals - 16 Ohm Version | 02503980 |
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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 Ohm |
| AES Power Handling (1) | 300 W |
| Maximum Power Handling (2) | 600 W |
| Sensitivity (1W/1m) | 97 dB |
| Frequency Range | 65-5000 Hz |
| Voice Coil Diameter | 65 mm (2.56 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 12.5 mm (0.49 in) |
| Magnetic Gap Depth | 8 mm (0.31 in) |
| Flux Density | 1.25 T |
| Magnet | Neodymium Slug |
| Basket Material | Aluminum |
| Demodulation | No |
| Cone Surround (3) | M-Roll |
| NET Air Volume filled by Loudspeaker | 1.3 dm ³ (0.046 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 65 Hz |
| Re | 12.1 Ohm |
| Qes | 0.52 |
| Qms | 5.8 |
| Qts | 0.48 |
| Vas | 30.6 dm ³ (1.08 ft ³) |
| Sd | 348 cm ² (53.94 in ²) |
| Xmax (4) | 4.92 mm |
| Xdamage (5) | 14 mm |
| Mms | 33.1 g |
| Bl | 18 N/A |
| Le | 0.85 mH |
| Mmd | 25.8 g |
| Cms | 0.18 mm/N |
| Rms | 2.3 kg/s |
| Eta Zero | 1.62 % |
| EBP | 125 Hz |

