

W6N8-120



6" - 120 W - 94 dB - 16 Ohm

NOMINAL SPECIFICATIONS

| | |
|----------------------------------|---|
| Nominal Diameter | 160 mm (6 in) |
| Overall Diameter | 186.5/162 mm (7.34/6.37 in) |
| Bolt Circle Diameter | 172 mm (6.77 in) |
| Baffle Cutout Diameter | 147 mm (5.79 in) |
| Depth | 88.5 mm (3.48 in) |
| Flange and Gasket Thickness | 8.8 mm (0.35 in) |
| Net Weight | 1.3 kg (2.9 lb) |
| Shipping Box (Single Carton Box) | 195 x 195 x 141 mm (7.7 x 7.7 x 5.5 in) |
| Shipping Weight | 1.5 kg (3.3 lb) |

PART NUMBER

| | |
|---------------------------------|----------|
| Push Terminals - 16 Ohm Version | 01603963 |
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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 | 13.4 Ohm |
| AES Power Handling (1) | 120 W |
| Maximum Power Handling (2) | 240 W |
| Sensitivity (1W/1m) | 94 dB |
| Frequency Range | 100-10000 Hz |
| Voice Coil Diameter | 37 mm (1.46 in) |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 11 mm (0.43 in) |
| Magnetic Gap Depth | 6 mm (0.24 in) |
| Flux Density | 1.4 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | No |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 0.6 dm ³ (0.021 ft ³) |
| Spider Profile | 1x constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 105 Hz |
| Re | 12 Ohm |
| Qes | 0.54 |
| Qms | 9.1 |
| Qts | 0.51 |
| Vas | 3.56 dm ³ (0.13 ft ³) |
| Sd | 113 cm ² (17.52 in ²) |
| Xmax (4) | 4.50 mm |
| Xdamage (5) | 11.6 mm |
| Mms | 11.7 g |
| Bl | 13 N/A |
| Le | 0.55 mH |
| Mmd | 10.1 g |
| Cms | 0.2 mm/N |
| Rms | 0.84 kg/s |
| Eta Zero | 0.73 % |
| EBP | 194 Hz |

