

M5N8-80



5" - 80 W - 99 dB - 8 Ohm

NOMINAL SPECIFICATIONS

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|----------------------------------|---|
| Nominal Diameter | 130 mm (5 in) |
| Overall Diameter | 153/140 mm (6.02/5.51 in) |
| Bolt Circle Diameter | 139 mm (5.47 in) |
| Baffle Cutout Diameter | 129 mm (5.08 in) |
| Depth | 80.2 mm (3.16 in) |
| Flange and Gasket Thickness | 8.8 mm (0.35 in) |
| Net Weight | 950 g (2.1 lb) |
| Shipping Box (Single Carton Box) | 165 x 160 x 103 mm (6.5 x 6.3 x 4.1 in) |
| Shipping Weight | 1.2 kg (2.7 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 01304058 |
|--------------------------------|----------|

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 | 8 Ohm |
| Minimum Impedance | 6.5 Ohm |
| AES Power Handling (1) | 80 W |
| Maximum Power Handling (2) | 160 W |
| Sensitivity (1W/1m) | 99 dB |
| Frequency Range | 180-8000 Hz |
| Voice Coil Diameter | 32 mm (1.26 in) |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 7.5 mm (0.30 in) |
| Magnetic Gap Depth | 6 mm (0.24 in) |
| Flux Density | 1.65 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | No |
| Cone Surround (3) | M-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 | 180 Hz |
| Re | 5.5 Ohm |
| Qes | 0.45 |
| Qms | 1.9 |
| Qts | 0.36 |
| Vas | 1.7 dm ³ (0.06 ft ³) |
| Sd | 102 cm ² (15.84 in ²) |
| Xmax (4) | 2.75 mm |
| Xdamage (5) | 15.2 mm |
| Mms | 6.8 g |
| Bl | 9.6 N/A |
| Le | 0.22 mH |
| Mmd | 5.6 g |
| Cms | 0.11 mm/N |
| Rms | 4 kg/s |
| Eta Zero | 2.07 % |
| EBP | 400 Hz |

