

# M5N8-80



5" - 80 W - 99 dB - 12 Ohm

### NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	153/140 mm (6.02/5.51 in)
Bolt Circle Diameter	139 mm (5.5 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)
<b>Net Weight</b>	<b>0.95 kg (2.09 lb)</b>
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 (2.65 lb)

### PART NUMBER

Push Terminals - 12 Ohm Version	01303890
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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	12 Ohm
Minimum Impedance	8.8 Ohm
AES Power Handling (1)	80 W
<b>Maximum Power Handling (2)</b>	<b>160 W</b>
<b>Sensitivity (1W/1m)</b>	<b>99 dB</b>
Frequency Range	180-6300 Hz
<b>Voice Coil Diameter</b>	<b>32 mm (1.26 in)</b>
Winding Material	Cu
Former Material	Kapton
Winding Depth	7.5 mm (0.29 in)
<b>Magnetic Gap Depth</b>	<b>6 mm (0.24 in)</b>
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 <sup>3</sup> (0.021 ft <sup>3</sup> )
Spider Profile	1x constant height waves

### THIELE & SMALL PARAMETERS

Fs	180 Hz
Re	7.2 Ohm
Qes	0.54
Qms	2.7
Qts	0.45
Vas	1.4 dm <sup>3</sup> (0.05 ft <sup>3</sup> )
Sd	102 cm <sup>2</sup> (15.84 in <sup>2</sup> )
Xmax (4)	2.75 mm
Xdamage (5)	15.2 mm
Mms	8.4 g
Bl	11.3 N/A
Le	0.15 mH
Mmd	7.2 g
Cms	0.09 mm/N
Rms	3.5 kg/s
Eta Zero	1.43 %
EBP	333 Hz

