

# M5N8-80



5" - 80 W - 99 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	153/140 mm (6.02/5.51 in)
Bolt Circle Diameter	139 mm (5.47 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)
<b>Net Weight</b>	<b>950 g (2.1 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 (2.7 lb)

## 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
<b>Maximum Power Handling (2)</b>	<b>160 W</b>
<b>Sensitivity (1W/1m)</b>	<b>99 dB</b>
Frequency Range	180-8000 Hz
<b>Voice Coil Diameter</b>	<b>32 mm (1.26 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	7.5 mm (0.30 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	5.5 Ohm
Qes	0.45
Qms	1.9
Qts	0.36
Vas	1.7 dm <sup>3</sup> (0.06 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	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

