

# 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)
<b>Net Weight</b>	<b>1.3 kg (2.9 lb)</b>
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
<b>Maximum Power Handling (2)</b>	<b>240 W</b>
<b>Sensitivity (1W/1m)</b>	<b>94 dB</b>
Frequency Range	100-10000 Hz
<b>Voice Coil Diameter</b>	<b>37 mm (1.46 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	11 mm (0.43 in)
<b>Magnetic Gap Depth</b>	<b>6 mm (0.24 in)</b>
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 <sup>3</sup> (0.021 ft <sup>3</sup> )
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 <sup>3</sup> (0.13 ft <sup>3</sup> )
Sd	113 cm <sup>2</sup> (17.52 in <sup>2</sup> )
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

