



M5N8-80

5" - 80 W - 99 dB

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)
Net Weight	950 g (2.1 lb)
Shipping Box	165 x 160 x 103 mm
(Single Carton Box)	(6.5 x 6.3 x 4.1 in)
Shipping Weight	1.2 kg (2.7 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
AES Power Handling (1)	80 W
Maximum Power Handling (4)	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 (5)	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 Ω
Qes	0.45
Qms	1.9
Qts	0.36
Vas	0.4 dm ³ (0.01 ft ³)
Sd	94.2 cm ² (14.6 in ²)
Xmax (2)	2.75 mm
Xdamage (3)	15.2 mm
Mms	6.8 g
Bl	9.6 N/A
Le	0.22 mH
Mmd	6.3 g
Cms	0.11 mm/N
Rms	4 kg/s
η _o (Eta Zero)	1.83 %
EBP	400 Hz

NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
- (3) Maximum excursion before permanent damage
- (4) Maximum power is defined as 3dB greater than nominal power
- (5) Treated Polycotton

