



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 (5.5 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)
Net Weight	0.95 kg (2.09 lb)
Shipping Box	165 x 160 x 103 mm
(Single Carton Box)	(6.49 x 6.29 x 4.05 in)
Shipping Weight	1.2 kg (2.65 lb)

TECHNICAL PARAMETERS

Nominal Impedance	12 Ω
Minimum Impedance	8.8 Ω
AES Power Handling (1)	80 W
Maximum Power Handling (4)	160 W
Sensitivity (1W/1m)	99 dB
Frequency Range	180 ÷ 6300 Hz
Voice Coil Diameter	32 mm (1.26 in)
Winding Material	Cu
Former Material	Kapton
Winding Depth	7.5 mm (0.29 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	7.2 Ω
Qes	0.54
Qms	2.70
Qts	0.45
Vas	1.20 dm ³ (0.04 ft ³)
Sd	94.2 cm ² (14.6 in ²)
Xmax (2)	2.75 mm
Xdamage (3)	15.2 mm
Mms	8.2 g
Bl	11.3 N/A
Le	0.15 mH
Mmd	7.5 g
Cms	0.09 mm/N
Rms	3.45 kg/s
η _o (Eta Zero)	1.29 %
EBP	333 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

