

5HX140

LF 5" - 120 W - 91 dB - 8 Ohm
HF 15 W - 101 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nom. Diameter	130 mm (5 in)
Overall Diameter	150/128.2 mm (5.91/5.05 in)
Bolt Circle Diameter	139 mm (5.47 in)
Baffle Cutout Diameter	118 mm (4.65 in)
Depth	74 mm (2.91 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	1.22 kg (2.7 lb)
Shipping Box (Single Carton Box)	185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in)
Shipping Weight	1.4 kg (3.1 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	01304366
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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) HF Sensitivity averaged within the frequency range
- (4) 12 dB/oct or higher slope high-pass filter
- (5) Treated Polycotton
- (6) $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (7) Maximum excursion before permanent damage

TECHNICAL PARAMETERS

	LF	HF
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.7 Ohm	6.6 Ohm
AES Power Handling (1)	120 W	15 W
Max Power Handling (2)	240 W	30 W
Sensitivity (1W/1m) (3)	91 dB	101 dB
Frequency Range	100÷8000 Hz	1500÷18000 Hz
Voice Coil Diameter	37 mm (1.46 in)	25 mm (0.98 in)
Winding Material	Al	Al
Former Material	Kapton	Kapton
Winding Depth	12.2 mm (0.48 in)	1.7 mm (0.07 in)
Magnetic Gap Depth	6 mm (0.24 in)	2 mm (0.08 in)
Flux Density	1.3 T	1.3 T
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	90°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Dome
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	M-Roll	-
NET Air Volume filled by Loudspeaker	0.34 dm ³ (0.012 ft ³)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	100 Hz
Re [LF]	5.9 Ohm
Re [HF]	6 Ohm
Qes	0.45
Qms	4.8
Qts	0.41
Vas	3.4 dm ³ (0.12 ft ³)
Sd	85 cm ² (13.18 in ²)
Xmax (6)	5.10 mm
Xdamage (7)	16.85 mm
Mms	7.5 g
Bl	8 N/A
Le	0.29 mH
Mmd	6.6 g
Cms	0.34 mm/N
Rms	1.0 kg/s
Eta Zero	0.76 %
EBP	222 Hz

