

# 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)
<b>Net Weight</b>	<b>1.22 kg (2.7 lb)</b>
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

Push Terminals - 8 Ohm Version	01304366
--------------------------------	----------

## 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
<b>Max Power Handling (2)</b>	<b>240 W</b>	<b>30 W</b>
<b>Sensitivity (1W/1m) (3)</b>	<b>91 dB</b>	<b>101 dB</b>
Frequency Range	100-8000 Hz	1500-18000 Hz
<b>Voice Coil Diameter</b>	<b>37 mm (1.46 in)</b>	<b>25 mm (0.98 in)</b>
<b>Winding Material</b>	<b>Al</b>	<b>Al</b>
Former Material	Kapton	Kapton
Winding Depth	12.2 mm (0.48 in)	1.7 mm (0.07 in)
<b>Magnetic Gap Depth</b>	<b>6 mm (0.24 in)</b>	<b>2 mm (0.08 in)</b>
Flux Density	1.3 T	1.3 T
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	90°
<b>Diaphragm Material</b>	-	<b>Ketone Polymer</b>
<b>Diaphragm Shape</b>	-	<b>Dome</b>
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 <sup>3</sup> (0.012 ft <sup>3</sup> )	-
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 <sup>3</sup> (0.12 ft <sup>3</sup> )
Sd	85 cm <sup>2</sup> (13.18 in <sup>2</sup> )
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

