

# 6HX150



**LF 6" - 150 W - 93 dB - 8 Ohm**  
**HF 15 W - 104 dB - 8 Ohm**

### NOMINAL SPECIFICATIONS

Nom. 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	95 mm (3.74 in)
Flange and Gasket Thickness	9.3 mm (0.37 in)
<b>Net Weight</b>	<b>1.3 kg (2.9 lb)</b>
Shipping Box (Single Carton Box)	202 x 202 x 134 mm (8.0 x 8.0 x 5.3 in)
Shipping Weight	2.8 kg (6.2 lb)

### PART NUMBER

Push Terminals - 8 Ohm Version	01604030
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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 Ohm	6.3 Ohm
AES Power Handling (1)	150 W	15 W
<b>Max Power Handling (2)</b>	<b>300 W</b>	<b>30 W</b>
<b>Sensitivity (1W/1m) (3)</b>	<b>93 dB</b>	<b>104 dB</b>
Frequency Range	90-5000 Hz	1500-18000 Hz
<b>Voice Coil Diameter</b>	<b>52 mm (2 in)</b>	<b>25 mm (1 in)</b>
<b>Winding Material</b>	<b>Cu</b>	<b>Al</b>
Former Material	Glass Fiber	Kapton
Winding Depth	10.7 mm (0.42 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	1.35 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)	Half 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	88 Hz
Re [LF]	5.5 Ohm
Re [HF]	6 Ohm
Qes	0.35
Qms	8.3
Qts	0.34
Vas	6.3 dm <sup>3</sup> (0.22 ft <sup>3</sup> )
Sd	139.2 cm <sup>2</sup> (21.58 in <sup>2</sup> )
Xmax (6)	4.35 mm
Xdamage (7)	10.15 mm
Mms	14 g
Bl	12 N/A
Le	0.64 mH
Mmd	12.1 g
Cms	0.23 mm/N
Rms	0.9 kg/s
Eta Zero	1.41 %
EBP	251 Hz

