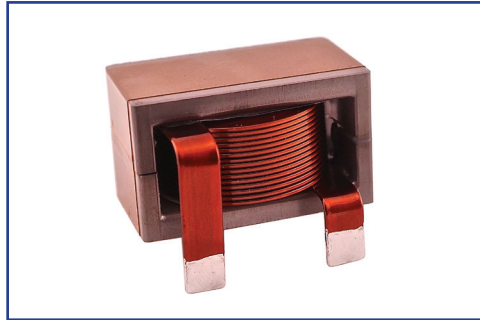


# HEW (HELICAL EDGE WOUND) HIGH CURRENT INDUCTOR



## HWI4434H SERIES



- High Current Inductors (inductance range from 3.6 $\mu$ H to 83 $\mu$ H) in a compact size package (44.5mm x 40mm x 34mm)
- Flat wire coil minimizes losses at high frequency
- Horizontal mount, low profile package (vertical mount version also available)
- Operating Temperature -40°C to +150°C
- RoHS Compliant Product
- Custom Design Available

### ELECTRICAL PARAMETERS @ 25°C

Part Number	INDUCTANCE ( $\mu$ H) $\pm 15\%$	I <sub>rms</sub> (Amp) Typical		DCR (m $\Omega$ ) Max	I <sub>sat</sub> (Amp) Typical			Dimensions (mm)	
		20°C Rise	40°C Rise		10% Drop	20% Drop	30% Drop	C	D
HWI4434-032A-830H	83	21	32	6.8	21	30	39	1.50	8.00
HWI4434-040A-550H	55	26	40	4.5	25	37	48	1.80	8.00
HWI4434-040A-370H	37	26	40	4.5	45	64	81	1.80	8.00
HWI4434-060A-240H	24	40	60	1.9	38	55	72	2.50	8.50
HWI4434-060A-160H	16	40	60	1.9	69	97	121	2.50	8.50
HWI4434-060A-100H	10	40	60	1.9	130	201	265	2.50	8.50
HWI4434-080A-140H	14	52	80	1.1	50	74	96	2.50	8.50
HWI4434-080A-9R3H	9.3	52	80	1.1	91	129	162	2.50	8.50
HWI4434-080A-6R0H	6.0	52	80	1.1	175	269	355	2.50	8.50
HWI4434-100A-8R4H	8.4	66	100	0.7	64	95	124	3.50	8.50
HWI4434-100A-5R6H	5.6	66	100	0.7	115	166	207	3.50	8.50
HWI4434-100A-3R6H	3.6	66	100	0.7	225	346	456	3.50	8.50

**Note:**

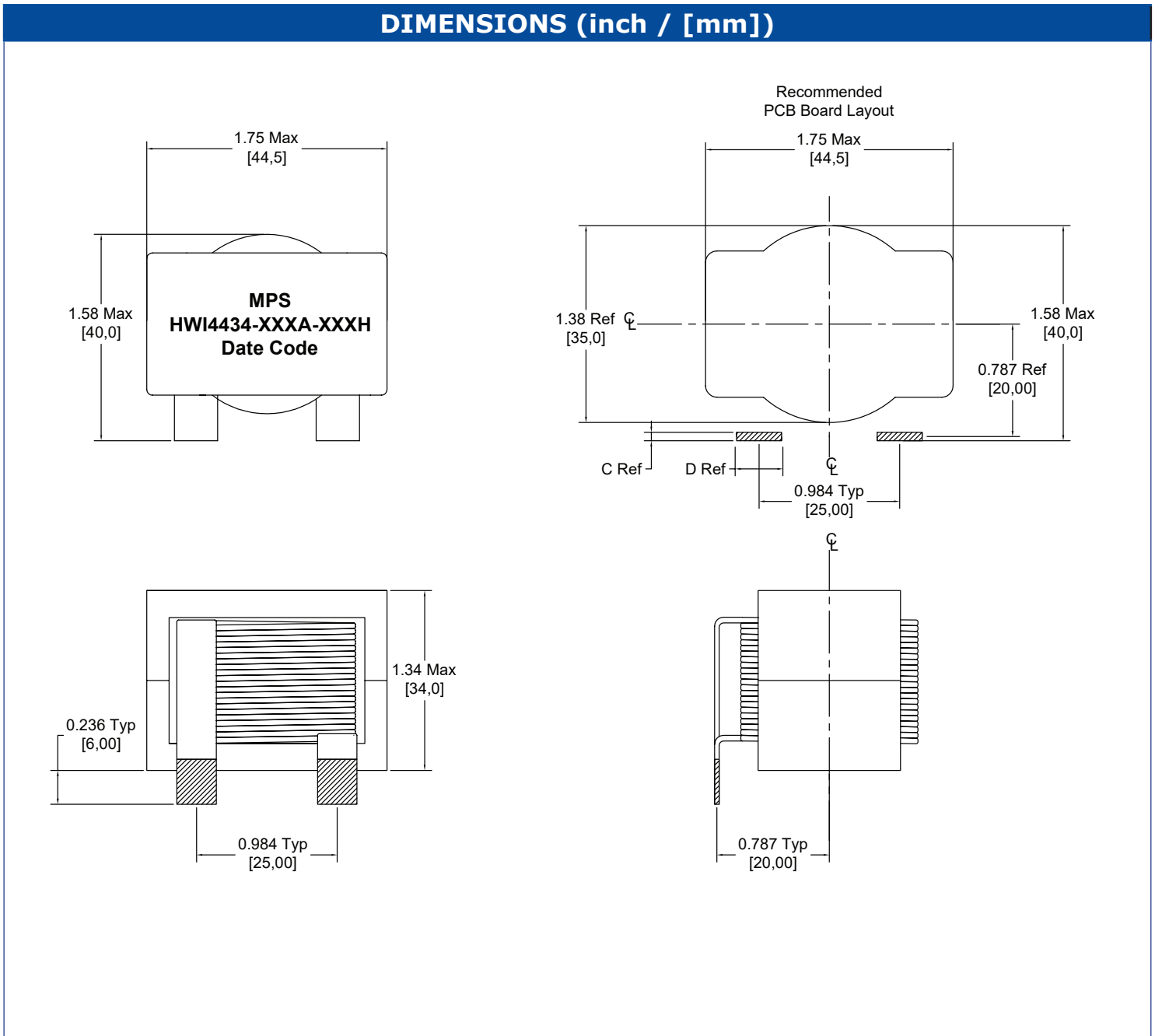
1. Inductance measured at 10KHz, 1V<sub>rms</sub>
2. I<sub>sat</sub> is DC current at which the inductance drops the specified amount from its original value without bias.
3. I<sub>rms</sub> is the DC current that causes the specified temperature rise of the winding from 25°C ambient for the inductor.

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### DIMENSIONS (inch / [mm])



Revised 03/17/2016  
Product performance is limited to specified parameters. Data is subject to change without prior notice.

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