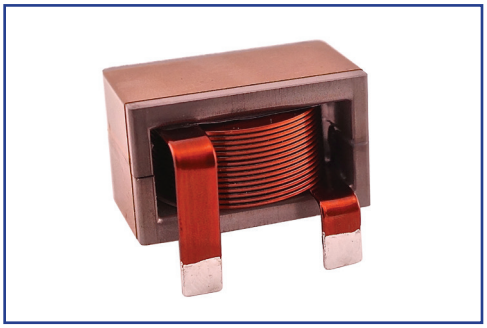
HEW (HELICAL EDGE WOUND) HIGH CURRENT INDUCTOR

HWI4434H SERIES



- High Current Inductors (inductance range from 3.6µH to 83µH) 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 -40ºC to +150ºC
- RoHS Compliant Product
- Custom Design Available

ELECTRICAL PARAMETERS @ 25°C

Part Number	INDUCTANCE (µH) ±15%	Irms (Amp) Typical		DCR (mΩ) Max	Isat (Amp) Typical			Dimensions (mm)	
		20ºC Rise	40ºC 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, 1Vrms
2. Isat is DC current at which the inductance drops the specified amount from its original value without bias.
3. Irms is the DC current that causes the specified temperature rise of the winding from 25°C ambient for the inductor.

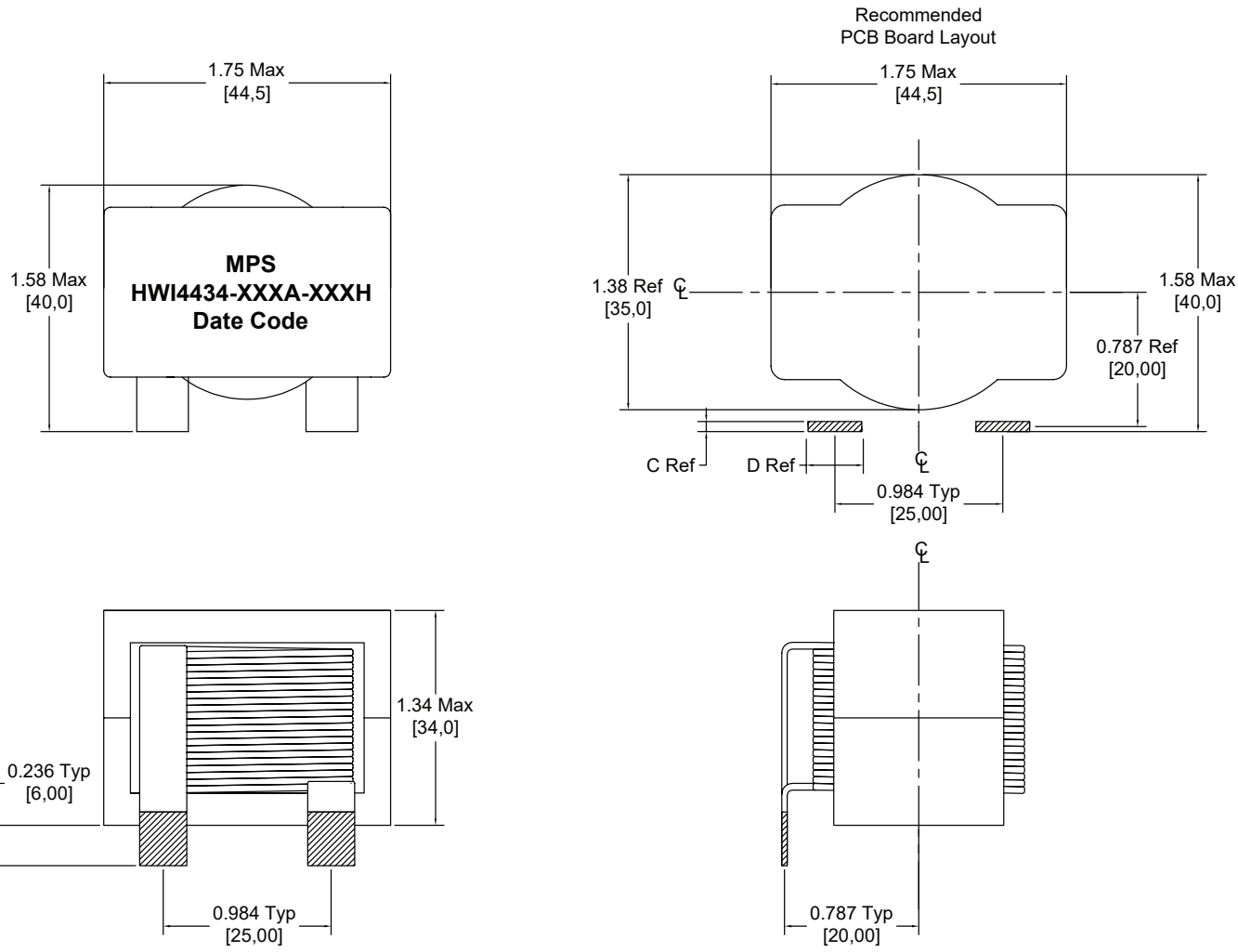
Revised 03/17/2016

Tel: 310-325-1043
Fax: 310-325-1044
www.mpsind.com
sales@mpsind.com

HEW (HELICAL EDGE WOUND) HIGH CURRENT INDUCTOR

HWI4434H SERIES

DIMENSIONS (inch / [mm])



Revised 03/17/2016

Tel: 310-325-1043
Fax: 310-325-1044
www.mpsind.com
sales@mpsind.com