

HIGH CURRENT INDUCTORS FOR INVERTER SYSTEMS



HWI57A2 SERIES



- Ideal for use in PV Inverters, String Inverters, Bidirectional Inverters
- Flat wire coil minimizes losses at high frequency
- Superior thermal management and significantly reduced size and weight compared with conventional toroid designs
- Operating Temperature -40°C to +180°C
- Custom Design Available up to 500A current for inverter systems 20kW and up

ELECTRICAL PARAMETERS @ 25°C

Part Number	INDUCTANCE (μ H) $\pm 15\%$	DCR (m Ω) MAX	SRF (MHz) TYP	Isat (A) TYP			I _{rms} (A) TYP	
				10% Drop	20% Drop	30% Drop	20°C Rise	40°C Rise
HWI57A2-202A-130P	13.0	0.75	12	110	164	212	134	202
HWI57A2-162A-200P	20.0	1.15	9.0	88	130	190	106	162
HWI57A2-118A-390P	39.0	2.10	6.2	62	94	122	78	118
HWI57A2-108A-470P	47.0	2.60	5.4	56	86	112	70	108
HWI57A2-101A-510S	51.0	3.00	8	55	82	106	67	101
HWI57A2-085A-800S	80.0	4.50	5.3	44	66	86	56	85
HWI57A2-071A-121P	122.0	6.00	3.3	35	53	69	47	71
HWI57A2-059A-161S	157.0	8.40	4.3	31	47	61	39	59
HWI57A2-054A-191S	188.0	10.40	4.2	27	43	55	35	54
HWI57A2-041A-301S	300.0	17.40	3	23	34	44	27	41
HWI57A2-041A-321S	320.0	18.00	2.8	22	32.5	42.5	26.5	40.5
HWI57A2-040A-341S	342.0	18.60	3.3	21	31.5	41	26	40
HWI57A2-035A-491S	487.0	24.00	2.3	17.5	26.5	34.5	23.5	35.5

- Note:**
1. Inductance measured at 10KHz, 1V_{rms}
 2. Isat is the DC current where the inductance drops the specified amount from its original value.
 3. I_{rms} is the DC current that causes the specified temperature rise of the winding from 25°C ambient for the inductor without housing or potting. Aluminum case, thermal conductive epoxy, or thermal pads can be added to improve cooling.

Revised 07/21/2016
Product performance is limited to specified parameters. Data is subject to change without prior notice.

Tel: 310-325-1043
Fax: 310-325-1044

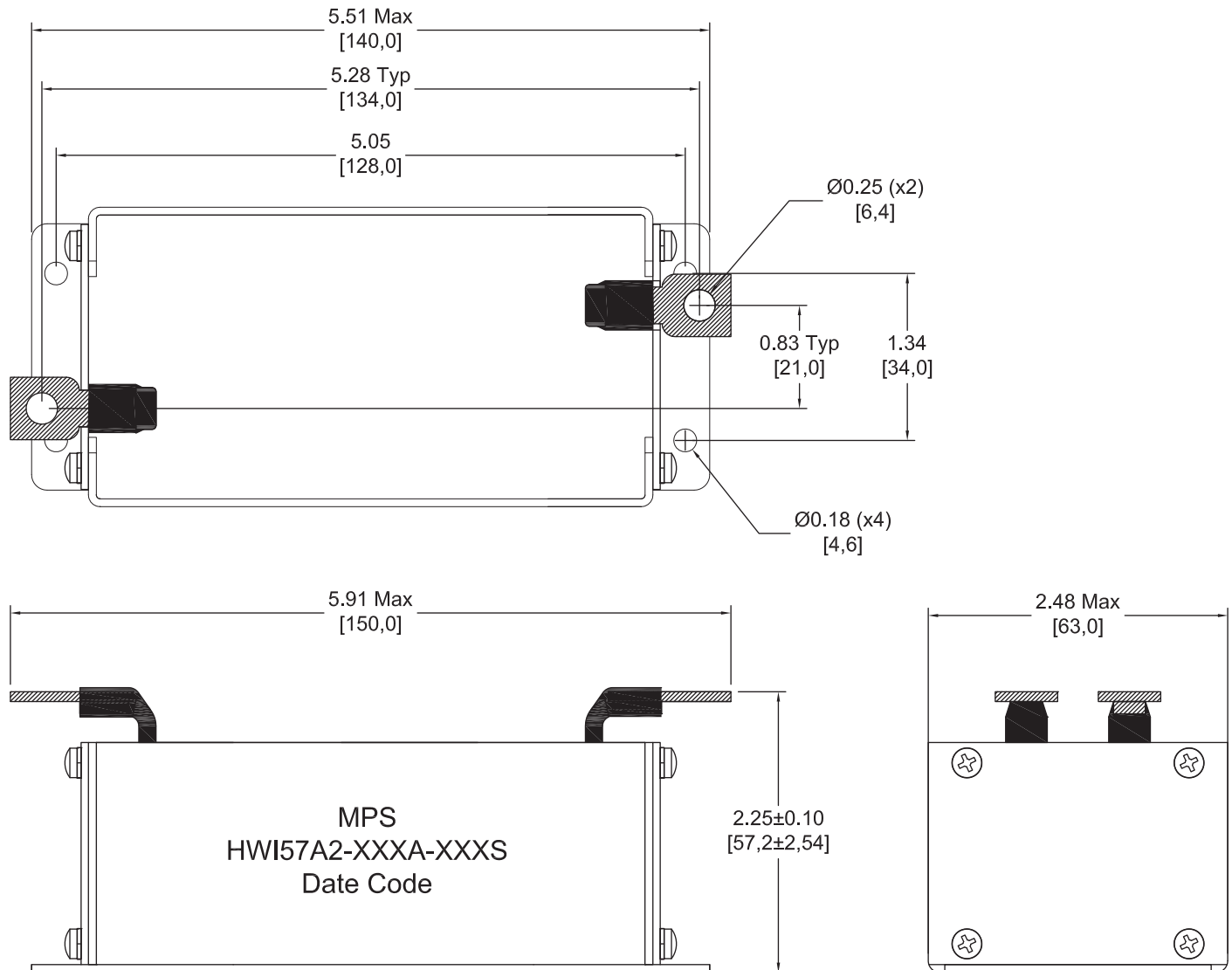
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HWI57A2 SERIES

DIMENSIONS (inch / [mm])



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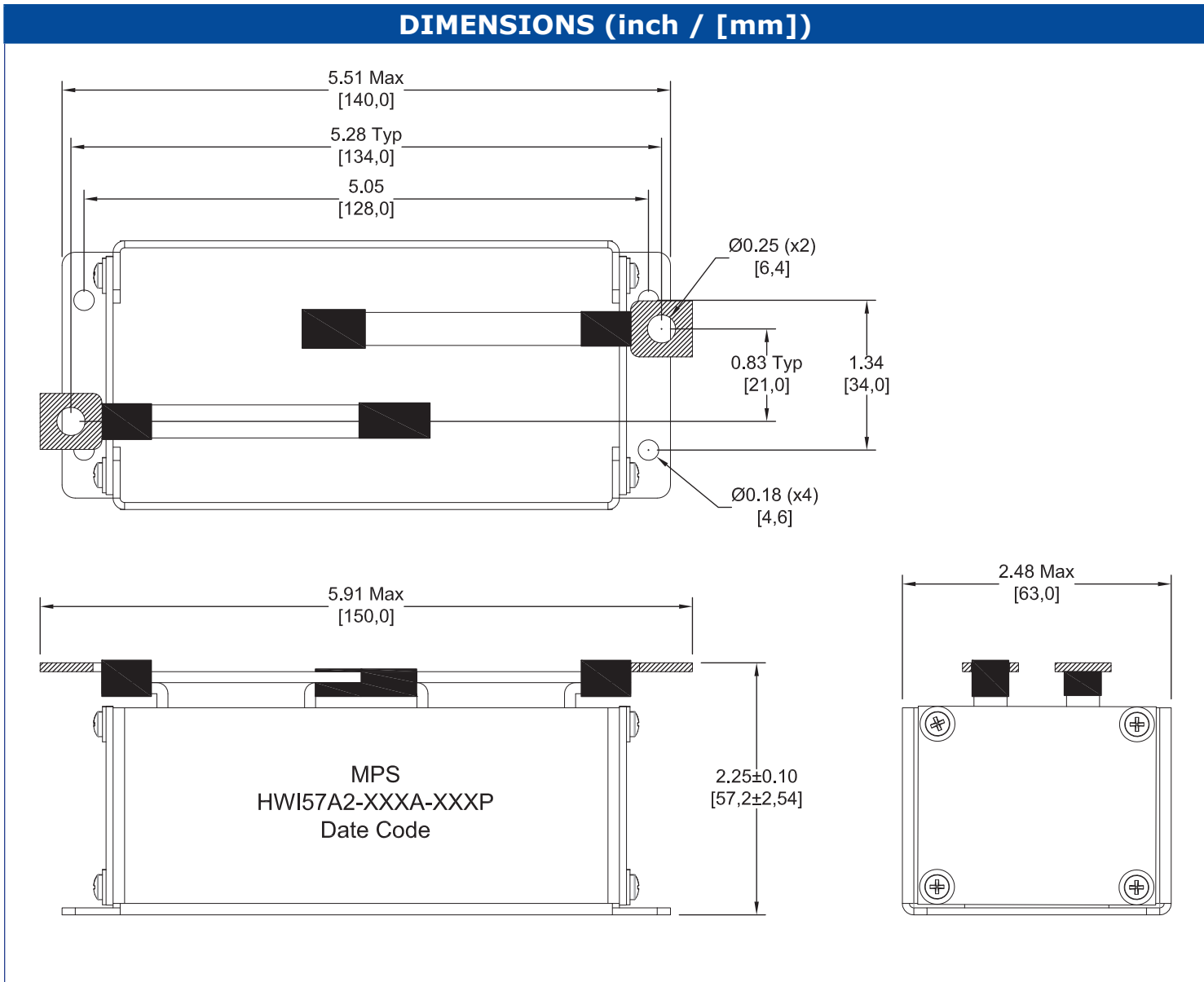
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