

CTIHLP2207F Series

From 0.47 μ H to 10 μ H



CHARACTERISTICS

- Description:** SMD (shielded) power inductor.
- Applications:** PDA, Notebook, Desktop, Server applications, Low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).
- Operating Temperature:** -55°C to +125°C (including self - temperature rise)
- Inductance Tolerance:** $\pm 20\%$
- Testing:** Inductance is tested on an HP4285A at 100KHz, 0.5V
- Packaging:** Tape & Reel.
- Marking:** Parts are marked with inductance code.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

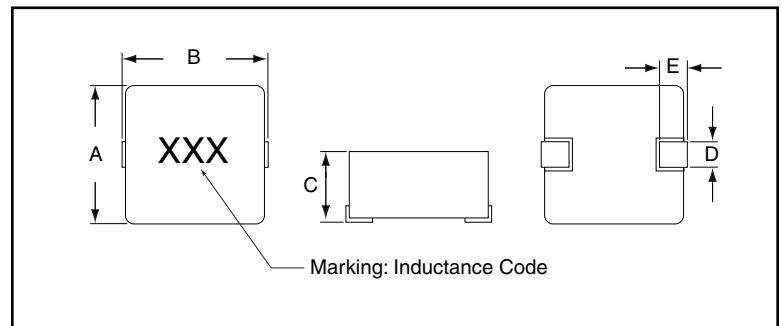
SPECIFICATIONS

*I_{rms}: DC current (A) that will cause an approximate ΔT of 40°C.
 **I_{sat}: DC current (A) that will cause L0 to drop approximately 30%.

Part Number	Inductance (μ H)	L Test Freq. (KHz)	DCR Max. (m Ω)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTIHLP2207F-R47M	0.47	100	9.0(7.7Typ.)	10.5	15.5
CTIHLP2207F-1R0M	1.0	100	17(15Typ.)	8.0	9.0
CTIHLP2207F-2R2M	2.2	100	35(30Typ.)	5.0	6.5
CTIHLP2207F-3R3M	3.3	100	58(52Typ.)	4.5	5.0
CTIHLP2207F-4R7M	4.7	100	85(78Typ.)	3.5	4.0
CTIHLP2207F-6R8M	6.8	100	120(107Typ.)	2.8	3.4
CTIHLP2207F-100M	10	100	155(140Typ.)	2.5	3

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
			Max.		
mm	5.4 \pm 0.35	5.7 \pm 0.2	1.8	2.0 \pm 0.3	1.5 \pm 0.3
inches	0.21 \pm 0.014	0.22 \pm 0.008	0.07	0.08 \pm 0.012	0.06 \pm 0.012



PAD LAYOUT

