

CTIHLP2909F Series

From 0.22 μ H to 15 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.**

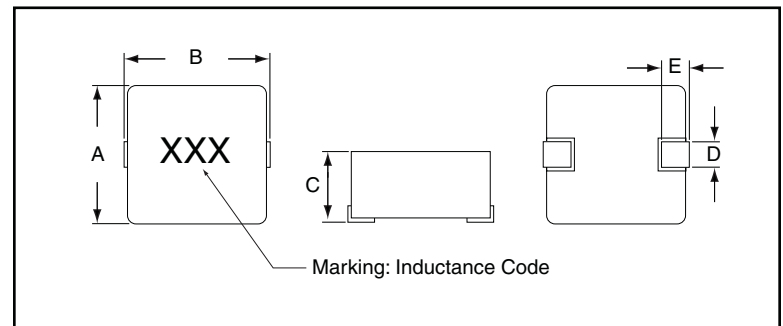
SPECIFICATIONS

*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)
CTIHLP2909F-R22M	0.22	100	3.2	21	34
CTIHLP2909F-R33M	0.33	100	4.1	18	24.5
CTIHLP2909F-R47M	0.47	100	5.1	15	22
CTIHLP2909F-1R0M	1.0	100	13.5	9	16
CTIHLP2909F-1R5M	1.5	100	20	9	15
CTIHLP2909F-2R2M	2.2	100	28	7	14
CTIHLP2909F-4R7M	4.7	100	50	5	10
CTIHLP2909F-100M	10	100	101	3.1	4.0
CTIHLP2909F-150M	15	100	160	2.5	3.3

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
		Max.	Max.		
mm	6.6 \pm 0.2	7.3	2.4	2.9	1.6 \pm 0.5
inches	0.26 \pm 0.008	0.29	0.09	0.11	0.06 \pm 0.020



PAD LAYOUT

