

CTIHLP2905F Series

From 1.0 μ H to 6.8 μ H

SPECIFICATIONS

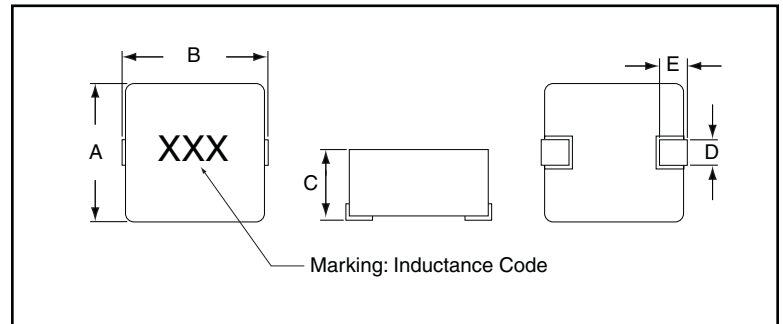
*I_{rms}: DC current (A) that will cause an approximate ΔT of 40°C.
 **I_{sat}: DC current (A) that will cause L0 to drop approximately 30%.

Part Number	Inductance (μ H)	L Test Freq. (KHz)	DCR Max. (m Ω)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTIHLP2905F-1R0M	1.0	100	25	5.5	9.0
CTIHLP2905F-2R2M	2.2	100	54	3.5	6.0
CTIHLP2905F-3R3M	3.3	100	63	3.3	5.5
CTIHLP2905F-4R7M	4.7	100	105	3.2	4.5
CTIHLP2905F-6R8M	6.8	100	140	2.5	4.0



PHYSICAL DIMENSIONS

Size	A	B	C	D	E
		Max.			
mm	6.6 \pm 0.2	7.3	1.3 \pm 0.2	2.9	1.6 \pm 0.5
inches	0.26 \pm 0.008	0.29	0.05 \pm 0.008	0.11	0.06 \pm 0.02



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.**

PAD LAYOUT

