

## CTIHLP5020F Series

From 0.47 $\mu$ H to 10 $\mu$ H

### SPECIFICATIONS

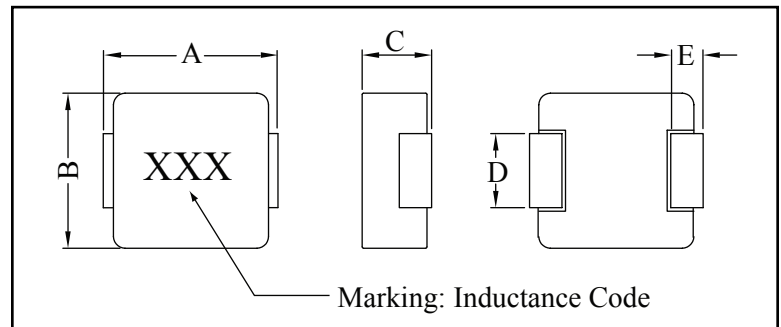
\*I<sub>rms</sub>: DC current (A) that will cause an approximate  $\Delta T$  of 40°C.  
 \*\*I<sub>sat</sub>: DC current (A) that will cause L0 to drop approximately 30%.

Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	DCR Max. (m $\Omega$ )	*I <sub>rms</sub> Typ. (A)	**I <sub>sat</sub> Typ. (A)
CTIHLP5020F-R47M	0.47	100	1.2	37	46
CTIHLP5020F-1R0M	1.0	100	2.5	29	37
CTIHLP5020F-1R5M	1.5	100	3.0	28	28
CTIHLP5020F-4R7M	4.7	100	11.5	11	16
CTIHLP5020F-6R8M	6.8	100	22	9	14
CTIHLP5020F-100M	10	100	35	7	13



### PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.		Max.		
mm	13.8	12.6 $\pm$ 0.2	5.0	3.7	2.7 $\pm$ 0.7
inches	0.54	0.50 $\pm$ 0.008	0.20	0.15	0.11 $\pm$ 0.03



### 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

