

## CTIHLP2208F Series

From 1.0 $\mu$ H to 10 $\mu$ 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.**

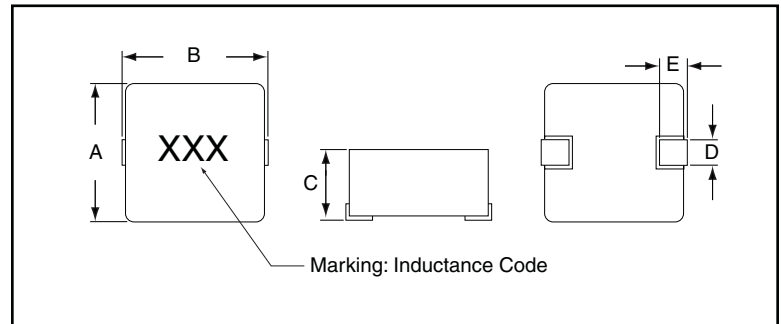
### SPECIFICATIONS

\*I<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)
CTIHLP2208F-1R0M	1.0	100	30	6.0	7.0
CTIHLP2208F-1R5M	1.5	100	35	5.5	6.5
CTIHLP2208F-2R2M	2.2	100	45	4.0	6.0
CTIHLP2208F-3R3M	3.3	100	60	3.5	5.5
CTIHLP2208F-4R7M	4.7	100	90	3.0	5.0
CTIHLP2208F-5R6M	5.6	100	120	2.8	4.5
CTIHLP2208F-6R8M	6.8	100	125	2.8	4.5
CTIHLP2208F-100M	10	100	180	2.3	4.0

### PHYSICAL DIMENSIONS

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



### PAD LAYOUT

