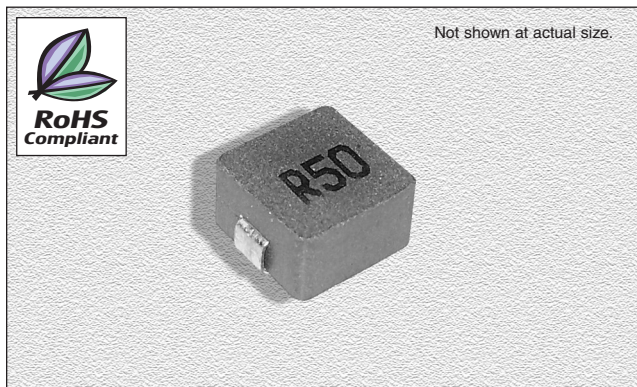


CTIHLP107F Series

SPECIFICATIONS

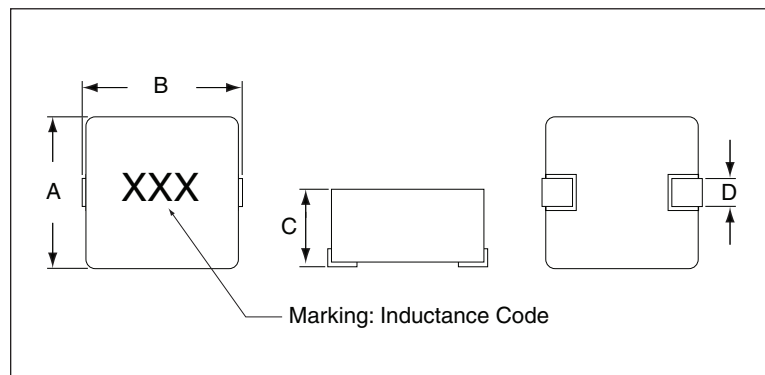
Parts are only available $\pm 20\%$ inductance tolerance only
 *I_{rms} DC current (A) will cause an approximately ΔT of 40°C.
 **I_{sat} DC current (A) will cause L0 to drop approximately 20%.

Part Number	Inductance (μH)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (mΩ)
CTIHLP107F-R50M	0.50	100	32	40	0.8



PHYSICAL DIMENSIONS

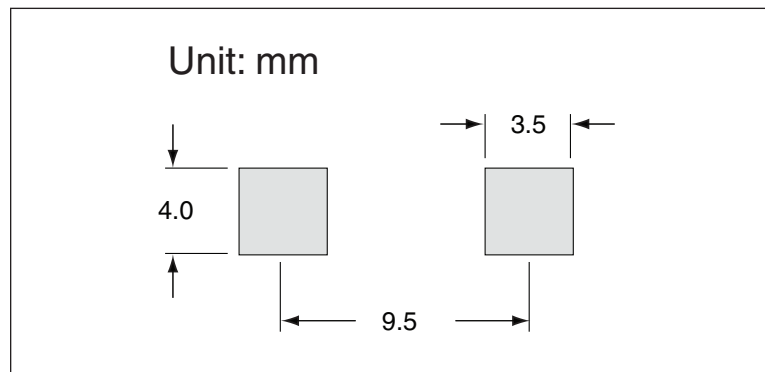
Size	A Max.	B Max.	C Max.	D Typ.
mm	10.3	11.5	7.0	3.0
inches	0.40	0.45	0.27	0.12



CHARACTERISTICS

- Description:** SMD (shielded) power inductor
- Applications:** High density DC/DC converters. POL converters. High current VRM/VRD for notebooks, Servers, and desktop CPUs. High speed chargers.
- Operating Temperature:** -55°C to +125°C
- 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.**

RECOMMENDED LAND PATTERN



03.06.07