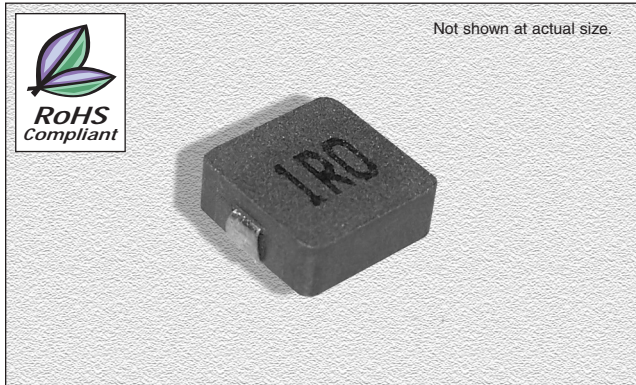


CTIHLP104F Series

From .36 μ H to 1.0 μ H



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.**

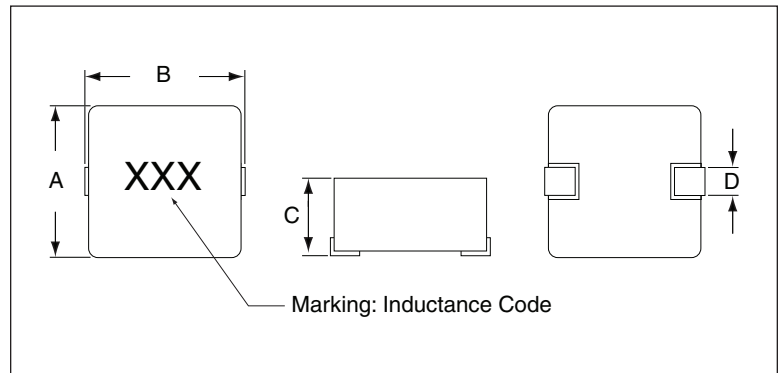
SPECIFICATIONS

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 30%.

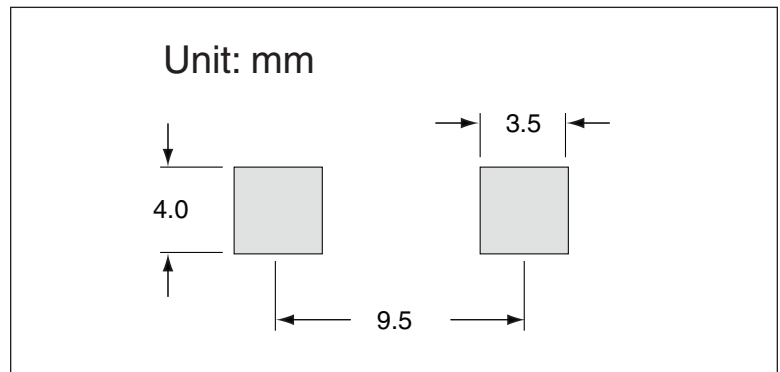
Part Number	Inductance (μ H)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)
CTIHLP104F-R36M	0.36	100	34	42	1.2
CTIHLP104F-R45M	0.45	100	33	38	1.2
CTIHLP104F-R47M	0.47	100	33	38	1.2
CTIHLP104F-R50M	0.50	100	27	32	1.55
CTIHLP104F-R56M	0.56	100	27	32	1.55
CTIHLP104F-R68M	0.68	100	27	30	1.55
CTIHLP104F-R88M	0.88	100	20	27	3.1
CTIHLP104F-1R0M	1.00	100	20	26	3.1

PHYSICAL DIMENSIONS

Size	A	B Max.	C Max.	D Typ.
mm	10.1 \pm 0.3	11.6	4.0	3.0
inches	0.39 \pm 0.01	0.46	0.15	0.12



RECOMMENDED LAND PATTERN



09.13.10