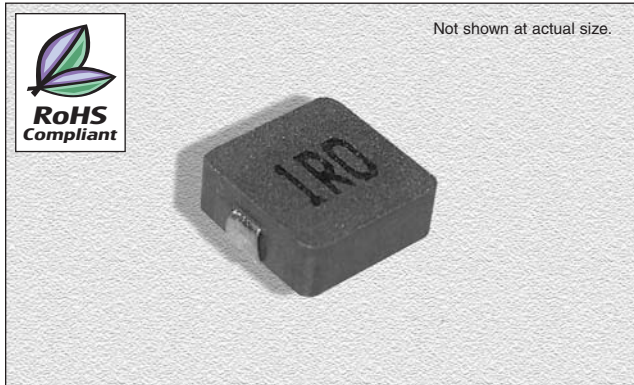


CTIHLP104F Series

From .17 μ H to .45 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.**

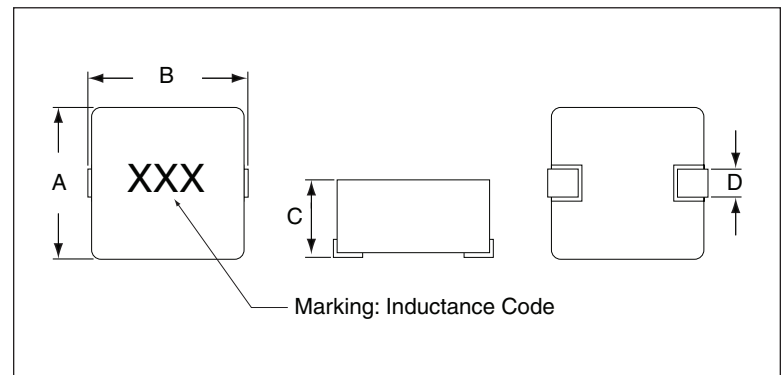
SPECIFICATIONS

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 20%.

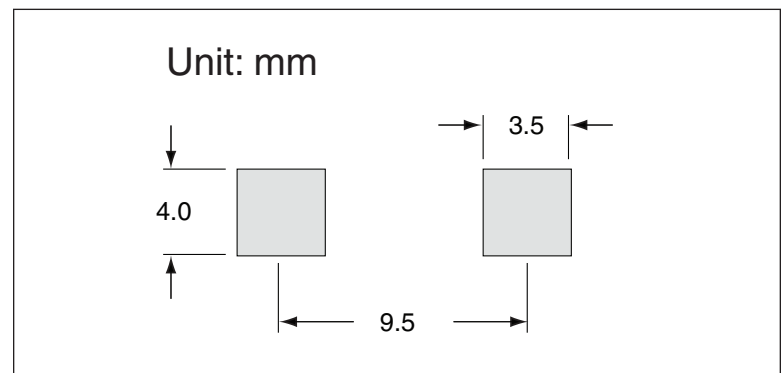
Part Number	Inductance (μ H)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)
CTIHLP104F-R17M	0.17	100	35	40	0.6
CTIHLP104F-R22M	0.22	100	35	37	0.6
CTIHLP104F-R36M	0.36	100	30	35	1.1
CTIHLP104F-R45M	0.45	100	30	33	1.1
CTIHLP104F-R47M	0.47	100	30	33	1.1
CTIHLP104F-R50M	0.50	100	27	45	1.5
CTIHLP104F-R56M	0.56	100	25	27	1.6
CTIHLP104F-R68M	0.68	100	25	25	1.7
CTIHLP104F-R82M	0.82	100	22	22	1.7
CTIHLP104F-R88M	0.88	100	21	21	2.5
CTIHLP104F-1R0M	1.00	100	18	20	3.0
CTIHLP104F-1R2M	1.20	100	18	18	3.0
CTIHLP104F-1R5M	1.50	100	15	15	4.0
CTIHLP104F-2R2M	2.20	100	13	10	6.0
CTIHLP104F-3R3M	3.30	100	8	13.5	11.5
CTIHLP104F-4R7M	4.70	100	8	8	13.0

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Typ.
mm	10.3	11.5	4.0	3.0
inches	0.40	0.45	0.15	0.12



RECOMMENDED LAND PATTERN



03.06.07