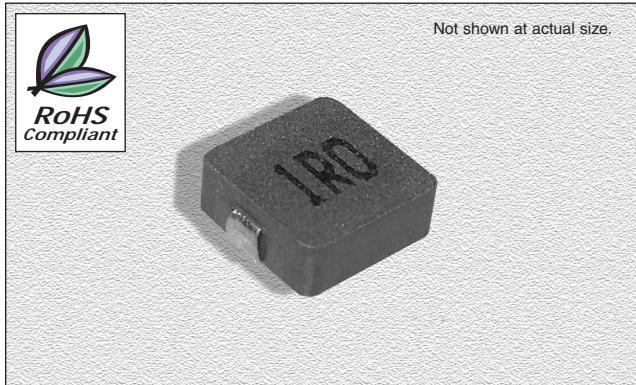


# CTIHLP104F Series

From .36  $\mu$ H to 2.5  $\mu$ 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.**

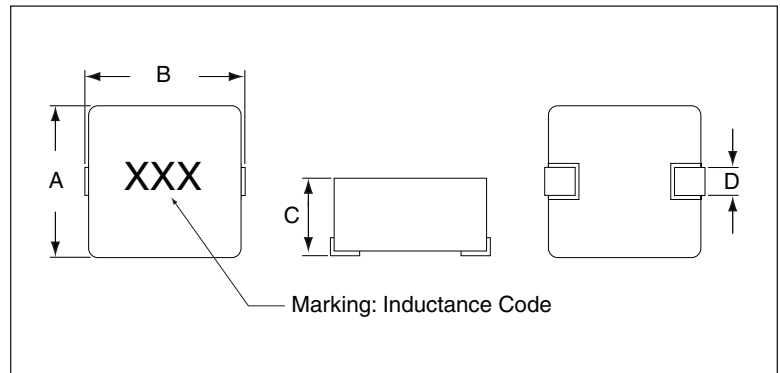
## SPECIFICATIONS

Parts are only available  $\pm 20\%$  inductance tolerance only  
 \*I<sub>rms</sub> DC current (A) will cause an approximately  $\Delta T$  of 40°C.  
 \*\*I<sub>sat</sub> DC current (A) will cause L0 to drop approximately 20%.

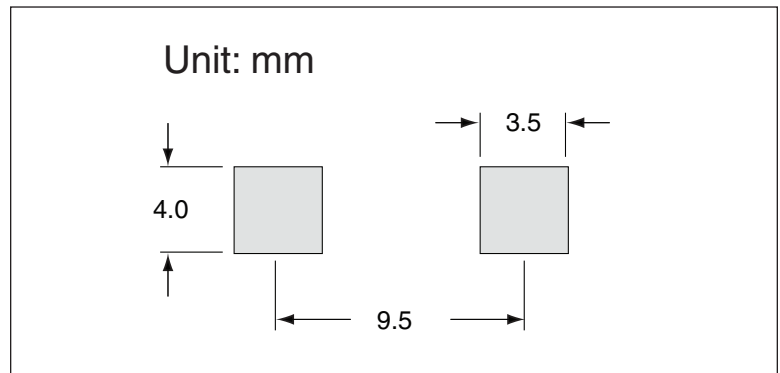
Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	*I <sub>rms</sub> Typ. (A)	**I <sub>sat</sub> Typ. (A)	DCR Max. (m $\Omega$ )
CTIHLP104F-R36M	0.36	100	34	42	1.2
CTIHLP104F-R45M	0.45	100	33	38	1.2
CTIHLP104F-R47M	0.47	100	33	38	1.2
CTIHLP104F-R50M	0.50	100	27	32	1.55
CTIHLP104F-R56M	0.56	100	27	32	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
CTIHLP104F-2R5M	2.50	100	13	13	6.8

## PHYSICAL DIMENSIONS

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



## RECOMMENDED LAND PATTERN



09.16.08