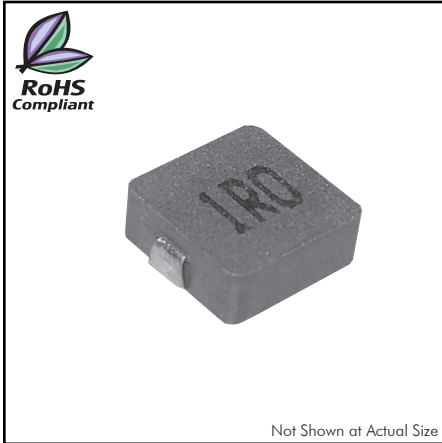


CTIHL P104F Series

From .36µH to 1.5µH



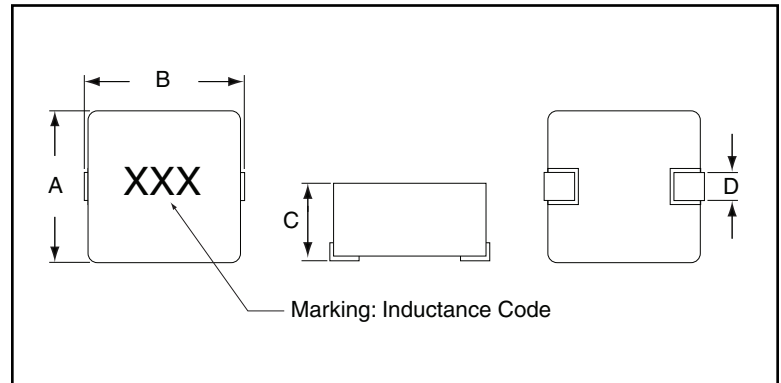
SPECIFICATIONS

Parts are only available in ±20% inductance tolerance only
 *I_{rms} DC current (A) will cause approximately ΔT of 40°C.
 **I_{sat} DC current (A) will cause L₀ to drop approximately 30%

Part Number	Inductance (µH)	L Test Freq. (kHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (mΩ)
CTIHL P104F-R36M	0.36	100	34	42	1.2
CTIHL P104F-R45M	0.45	100	33	38	1.2
CTIHL P104F-R47M	0.47	100	33	38	1.2
CTIHL P104F-R50M	0.50	100	27	32	1.55
CTIHL P104F-R56M	0.56	100	27	32	1.55
CTIHL P104F-R68M	0.68	100	27	30	1.55
CTIHL P104F-R88M	0.88	100	20	27	3.1
CTIHL P104F-1R0M	1.00	100	20	26	3.1
CTIHL P104F-1R5M	1.50	100	16	22	4.2

PHYSICAL DIMENSIONS

Size	A	B Max.	C Max.	D Typ.
mm	10.1±0.3	11.6	4.0	3.0
inches	0.39±0.01	0.46	0.16	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 CPU's, high speed chargers
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:** ±20%
- Testing:** Inductance is tested on an HP4285A at 100kHz, 0.5V
- Packaging:** Tape & Reel
- Marking:** Parts are marked with the inductance code
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

PAD LAYOUT

