

CTIHL P125F Series

From .10 μ H to 2.7 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.**

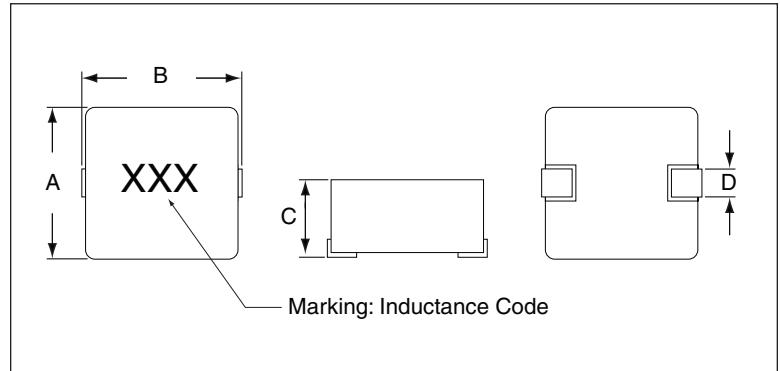
SPECIFICATIONS

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%.

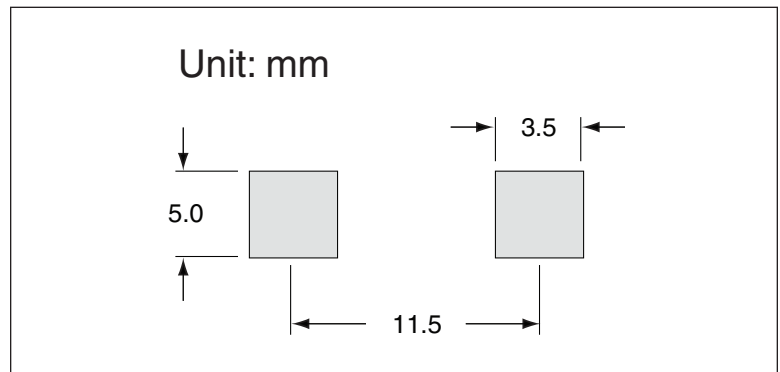
Part Number	Inductance (μ H)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)
CTIHL P125F-R10M	0.10	100	40	75	0.50
CTIHL P125F-R20M	0.20	100	35	45	0.65
CTIHL P125F-R22M	0.22	100	35	50	0.65
CTIHL P125F-R27M	0.27	100	35	40	0.65
CTIHL P125F-R30M	0.30	100	30	70	1.20
CTIHL P125F-R33M	0.33	100	30	70	1.20
CTIHL P125F-R36M	0.36	100	30	70	1.20
CTIHL P125F-R47M	0.47	100	30	40	1.20
CTIHL P125F-R50M	0.50	100	30	40	1.20
CTIHL P125F-R56M	0.56	100	28	35	1.30
CTIHL P125F-R68M	0.68	100	35	35	1.40
CTIHL P125F-R82M	0.82	100	25	32	1.50
CTIHL P125F-1R0M	1.00	100	22	24	2.50
CTIHL P125F-1R2M	1.20	100	22	28	2.50
CTIHL P125F-1R5M	1.50	100	16	16	3.30
CTIHL P125F-1R7M	1.70	100	16	16	4.00
CTIHL P125F-2R0M	2.00	100	14	16	5.00
CTIHL P125F-2R2M	2.20	100	16	14	4.50
CTIHL P125F-2R7M	2.70	100	14	14	4.70

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Typ.
mm	12.9	13.8	5.0	3.7
inches	0.50	0.54	0.20	0.14



RECOMMENDED LAND PATTERN



03.06.07