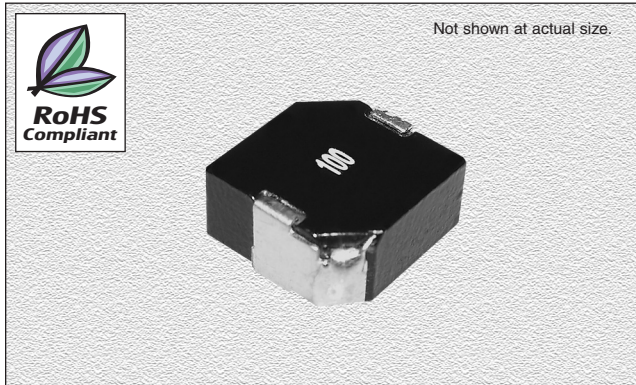


CTIHLP137F Series

From .47 μH to 10 μH



CHARACTERISTICS

- Description:** SMD (shielded) power inductor
- Applications:** PDA, Notebook, Desktop, Server applications. High current POL converters. Low profile, high current power supplies. Battery powered devices. DC/DC converters in distributed power systems. DC/DC converter for Field Programmable Gate Array (FPGA).
- Operating Temperature:** -55°C to +125°C
- Storage Temperature:** -55°C to +125°C
- Inductance Tolerance:** $\pm 20\%$
- Testing:** Inductance is tested on an HP4285A at 100KHz, 0.25V
- 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.**

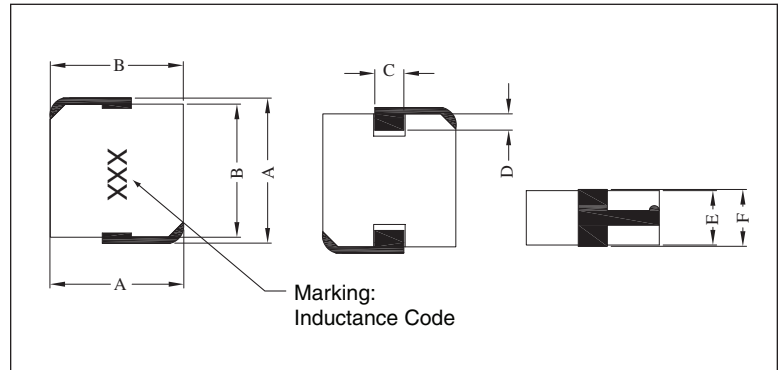
SPECIFICATIONS

Parts are only available $\pm 20\%$ inductance tolerance only
 *I_{rms} will cause the coil temp. rise approximately $\Delta T=40^\circ\text{C}$ without core loss.
 **I_{sat} will cause L0 to drop approximately 20% typ.

Part Number	Inductance (μH)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)
CTIHLP137F-R47M	.47	100	41	65	1.2
CTIHLP137F-R68M	.68	100	35	60	1.6
CTIHLP137F-1R0M	1.0	100	32	50	2.1
CTIHLP137F-1R5M	1.5	100	27	48	2.6
CTIHLP137F-2R2M	2.2	100	22	40	4.2
CTIHLP137F-3R3M	3.3	100	18	35	6.8
CTIHLP137F-4R7M	4.7	100	15	30	11.2
CTIHLP137F-6R8M	6.8	100	12	21	14.0
CTIHLP137F-100M	10	100	10	16	16.8

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C	D	E Typ.	F Max.
mm	13.7	12.9	3.0 ± 0.5	2.5 ± 0.5	6.5	7.0
inches	0.54	0.51	0.12 ± 0.02	0.01 ± 0.02	0.25	0.27



RECOMMENDED LAND PATTERN

