

CTIHLP5020F Series From 0.47 μ H to 10 μ H



CHARACTERISTICS

Description: SMD (shielded) power inductor.

Applications: PDA, Notebook, Desktop, Server applications, Low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Operating Temperature: -55°C to 125°C (including self - temperature rise)

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.

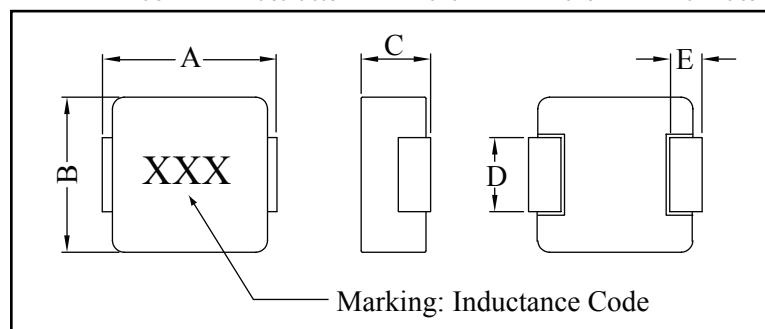
SPECIFICATIONS

*I_{rms}: DC current (A) that will cause an approximate ΔT of 40°C.
**I_{sat}: DC current (A) that will cause L₀ to drop approximately 30%.

Part Number	Inductance (μ H)	L Test Freq. (KHz)	DCR Max. (m Ω)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTIHLP5020F-R47M	0.47	100	1.2	37	46
CTIHLP5020F-1R0M	1.0	100	2.5	29	37
CTIHLP5020F-1R5M	1.5	100	3.0	28	28
CTIHLP5020F-4R7M	4.7	100	11.5	11	16
CTIHLP5020F-6R8M	6.8	100	22	9	14
CTIHLP5020F-100M	10	100	35	7	13

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.		Max.		
mm	13.8	12.6 ± 0.2	5.0	3.7	2.7 ± 0.7
inches	0.54	0.50 ± 0.008	0.20	0.15	0.11 ± 0.03



PAD LAYOUT

