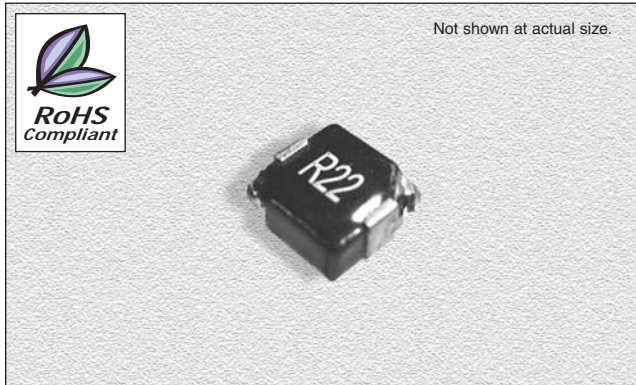


CTIHL73F Series

From .15 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

Inductance Tolerance: $\pm 20\%$

Testing: Inductance is tested on an HP4285A at 100 kHz, 1.0VDC

Packaging: Tape & Reel

Marking: Parts are marked with inductance code

Miscellaneous: RoHS Compliant. Magnetically shielded

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

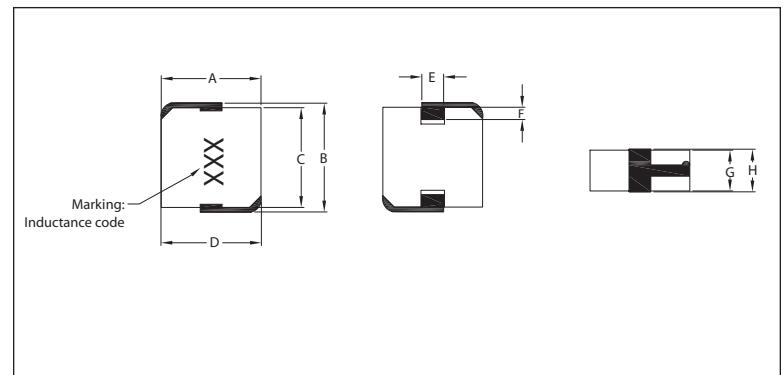
*I_{rms} will cause the coil temp. rise approximately $\Delta T=40^\circ\text{C}$ without core loss.

**I_{sat} will cause L0 to drop approximately 20% typ.

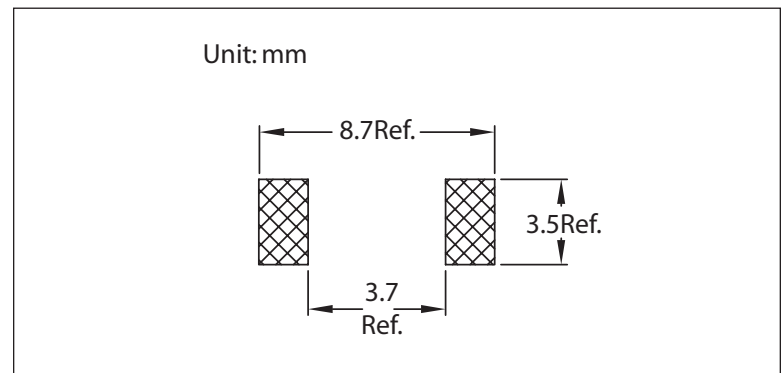
Part Number	Inductance (μH)	L Test Freq. (kHz)	DCR Max. (m Ω)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTIHL73F-R15M	.15	100	2.5	26	38
CTIHL73F-R22M	.22	100	2.8	23	36
CTIHL73F-R33M	.33	100	3.9	20	30
CTIHL73F-R47M	.47	100	4.2	17.5	26
CTIHL73F-R68M	.68	100	5.5	15.5	23
CTIHL73F-R82M	.82	100	8.0	13	20
CTIHL73F-1R0M	1.0	100	10	11	16
CTIHL73F-1R5M	1.5	100	15	9.0	14
CTIHL73F-2R2M	2.2	100	20	8.0	12
CTIHL73F-3R3M	3.3	100	30	6.0	10
CTIHL73F-4R7M	4.7	100	40	5.5	6.5
CTIHL73F-6R8M	6.8	100	60	4.5	6.0
CTIHL73F-8R2M	8.2	100	68	4.0	5.5
CTIHL73F-100M	10	100	105	3.0	4.5

PHYSICAL DIMENSIONS

Size	A	B Max.	C	D	E	F	G Max.	H Max.
mm	6.47 \pm 0.5	7.8	6.86 \pm 0.5	7.0	2.1 \pm 0.5	1.6 \pm 0.5	3.0	3.2
inches	0.25 \pm 0.02	0.31	0.27 \pm 0.02	0.28	0.08 \pm 0.02	0.06 \pm 0.02	0.12	0.13



RECOMMENDED LAND PATTERN



01.16.08