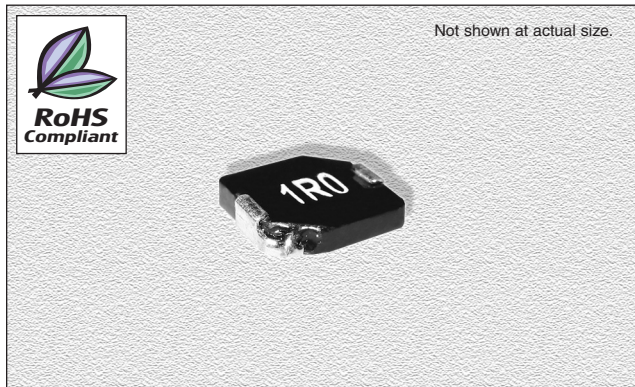


CTIHL72F Series

From .22 μH to 4.7 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

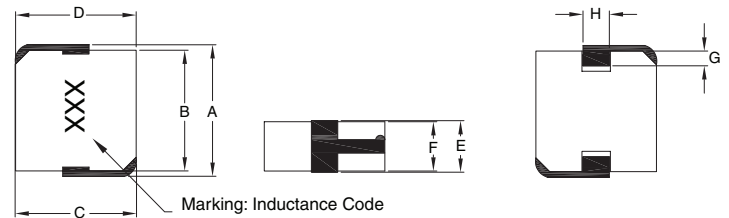
*I_{rms} will cause the coil temp. rise approximately $\Delta T = 40^\circ\text{C}$ without core loss.

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

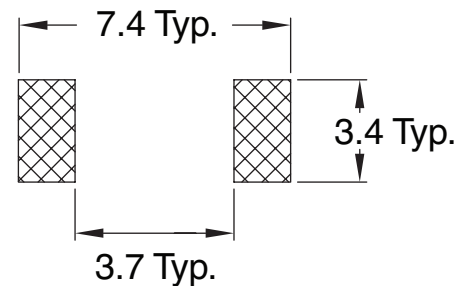
Part Number	Inductance (μH)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)
CTIHL72F-R22M	.22	100	14	26	5.7
CTIHL72F-R33M	.33	100	12	18	7.0
CTIHL72F-R47M	.47	100	11	18	9.3
CTIHL72F-R68M	.68	100	9	17	13.9
CTIHL72F-1R0M	1.0	100	7	14	18
CTIHL72F-1R5M	1.5	100	4	12	34
CTIHL72F-2R2M	2.2	100	5	9	46
CTIHL72F-3R3M	3.3	100	3.25	7	60
CTIHL72F-4R7M	4.7	100	3	5	78

PHYSICAL DIMENSIONS

Size	A Max.	B	C Max.	D	E Max.	F Max.	G	H
mm	7.8	6.86 ± 0.5	7.0	6.47 ± 0.5	2.0	1.8	1.6 ± 0.5	2.1 ± 0.5
inches	0.31	0.27 ± 0.02	0.28	0.25 ± 0.02	0.079	0.071	0.063 ± 0.02	0.083 ± 0.02



RECOMMENDED LAND PATTERN



08.01.07