

查询"CTIHL72F-1R5M"供应商

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.**

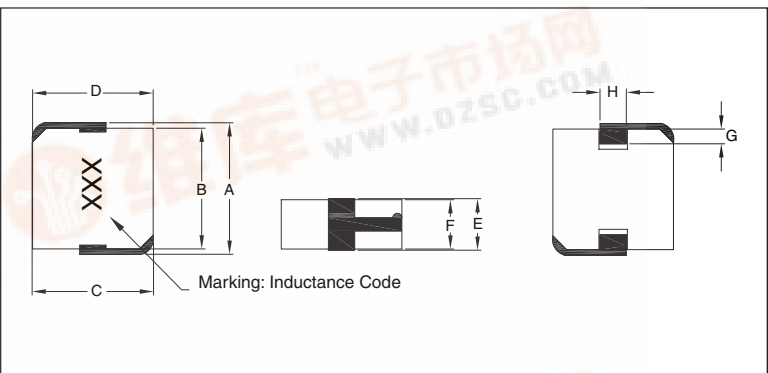
SPECIFICATIONS

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.

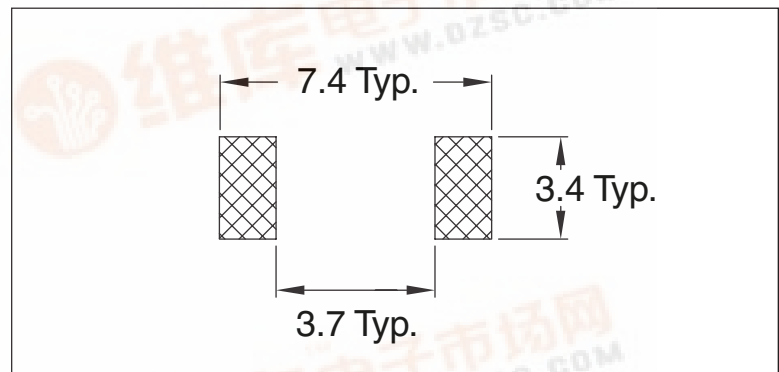
Part Number	Inductance (μH)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)
CTIHL72F-R22M	.22	100	14	26	5.7
CTIHL72F-R33M	.33	100	12	18	7.0
CTIHL72F-R47M	.47	100	11	18	9.3
CTIHL72F-R68M	.68	100	9	17	13.9
CTIHL72F-1R0M	1.0	100	7	14	18
CTIHL72F-1R5M	1.5	100	4	12	34
CTIHL72F-2R2M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

Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US

949-453-1811 Outside US

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