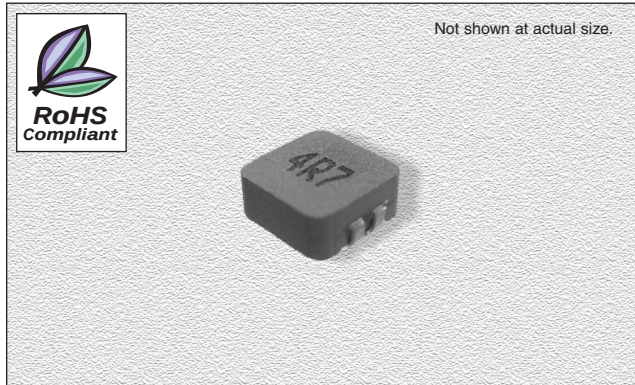


CTIHL73VCZF Series

From .10 μ H to 6.8 μ H

CHARACTERISTICS

Description: SMD (shielded) power inductor**Applications:** High density DC/DC converters. POL converters. High current VRM/VRD for notebooks, Servers, and desktop CPUs. High speed chargers.**Operating Temperature:** -55°C to +125°C (The part temperature (ambient + temp. rise) should not exceed 125°C under worst case operating conditions. Component placement, PWB trace, size, thickness and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.**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.**

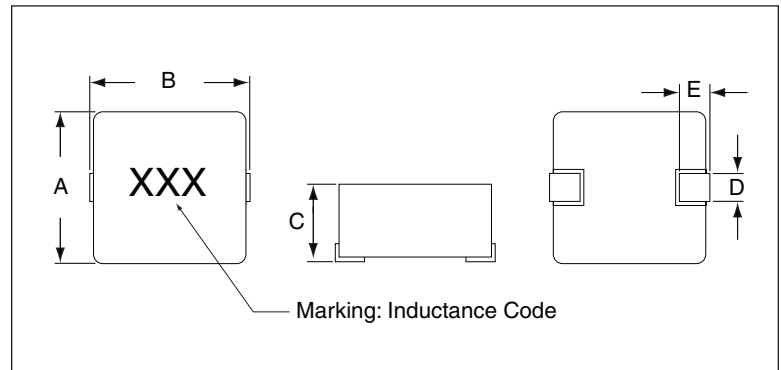
SPECIFICATIONS

Parts are only available $\pm 20\%$ inductance tolerance only*I_{rms} DC current (A) will cause an approximately ΔT of 40°C.**I_{sat} DC current (A) will cause L0 to drop approximately 30%.

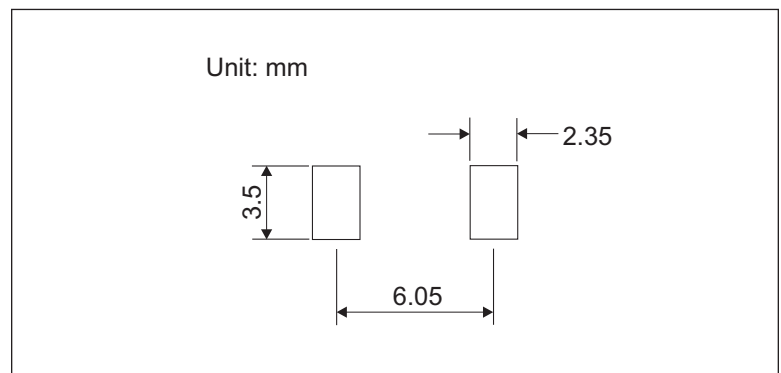
Part Number	Inductance (μ H)	L Test Freq. (KHz)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Max. (m Ω)	DCR Typ. (m Ω)
CTIHL73VCZF-R10M	0.10	100	37	45	1.5	1.3
CTIHL73VCZF-R22M	0.22	100	23	40	2.8	2.5
CTIHL73VCZF-R33M	0.33	100	20	33	4.2	4.0
CTIHL73VCZF-R47M	0.47	100	16.5	27	5.5	5.0
CTIHL73VCZF-R68M	0.68	100	15	24	6.3	5.7
CTIHL73VCZF-R82M	0.82	100	13	23	8.0	7.5
CTIHL73VCZF-1R0M	1.0	100	12	22	10	9.0
CTIHL73VCZF-1R5M	1.5	100	9.5	18	15	13.5
CTIHL73VCZF-2R2M	2.2	100	8.5	14	20	17.0
CTIHL73VCZF-3R3M	3.3	100	6.0	12	35	32.0
CTIHL73VCZF-4R7M	4.7	100	5.5	9	40	35.0
CTIHL73VCZF-6R8M	6.8	100	4.5	8	60	54.0

PHYSICAL DIMENSIONS

Size	A	B Max.	C Max.	D Typ.	E
mm	6.6 $\pm$ 0.2	7.3	3.0	2.9	1.6 $\pm$ 0.5
inches	0.26 $\pm$ 0.008	0.29	0.12	0.11	0.063 $\pm$ 0.02



RECOMMENDED LAND PATTERN



10.06.11