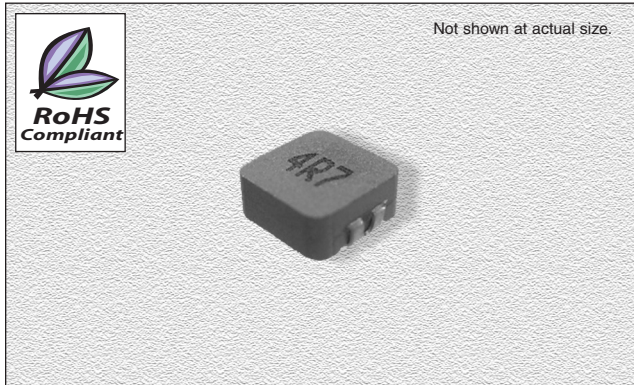


## CTIHLP73VCZF Series

### From .10µH to 33µH



### 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:** ±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 ±20% inductance tolerance only

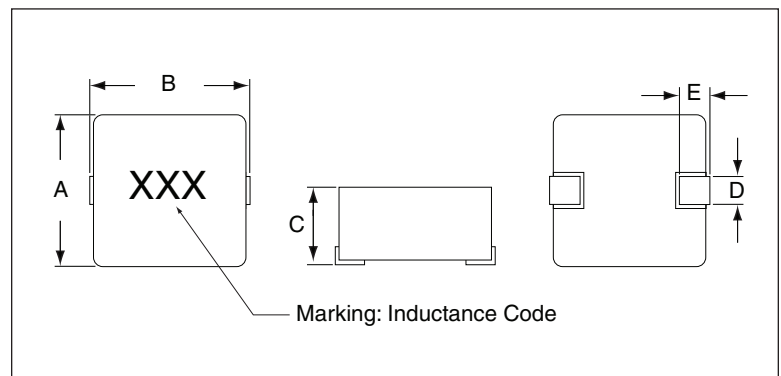
\*I<sub>rms</sub> DC current (A) will cause an approximately ΔT of 40°C.

\*\*I<sub>sat</sub> DC current (A) will cause L0 to drop approximately 30%.

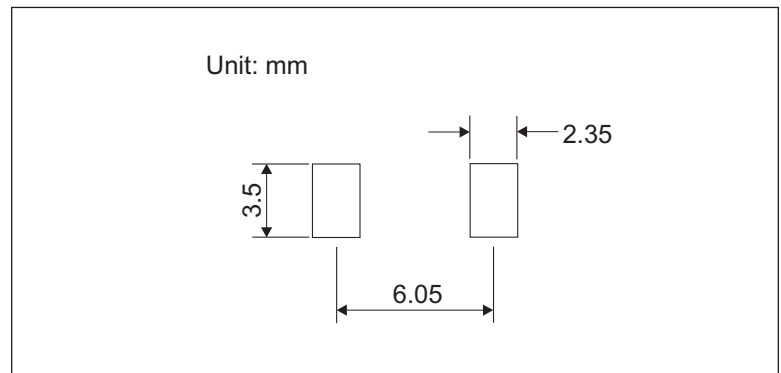
Part Number	Inductance (µH)	L Test Freq. (KHz)	*I <sub>rms</sub> Typ. (A)	**I <sub>sat</sub> Typ. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
CTIHLP73VCZF-R10M	0.10	100	37	45	1.5	1.3
CTIHLP73VCZF-R22M	0.22	100	23	40	2.8	2.5
CTIHLP73VCZF-R33M	0.33	100	20	33	4.2	4.0
CTIHLP73VCZF-R47M	0.47	100	16.5	27	5.5	5.0
CTIHLP73VCZF-R68M	0.68	100	15	24	6.3	5.7
CTIHLP73VCZF-R82M	0.82	100	13	23	8.0	7.5
CTIHLP73VCZF-1R0M	1.0	100	12	22	10	9.0
CTIHLP73VCZF-1R5M	1.5	100	9.5	18	15	13.5
CTIHLP73VCZF-2R2M	2.2	100	8.5	14	20	17.0
CTIHLP73VCZF-3R3M	3.3	100	6.0	12	35	32.0
CTIHLP73VCZF-4R7M	4.7	100	5.5	9	40	35.0
CTIHLP73VCZF-6R8M	6.8	100	4.5	8	60	54.0
CTIHLP73VCZF-8R2M	8.2	100	4.5	6	60	54.0
CTIHLP73VCZF-100M	10	100	4.0	5.5	68	62.0
CTIHLP73VCZF-150M	15	100	3.0	5.0	122	111
CTIHLP73VCZF-220M	22	100	3.0	3.2	145	130
CTIHLP73VCZF-330M	33	100	2.0	3.0	270	245

### PHYSICAL DIMENSIONS

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



### RECOMMENDED LAND PATTERN



06.22.16