

CTMMP73VCZF

Series

From .10 μ H to 33 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 will 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.**

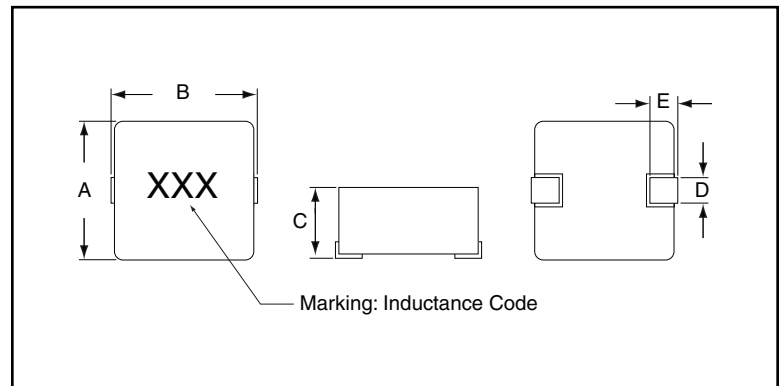
SPECIFICATIONS

Parts are only available in $\pm 20\%$ 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)
CTMMP73VCZF-R10M	0.10	100	37	45	1.5	1.3
CTMMP73VCZF-R22M	0.22	100	23	40	2.8	2.5
CTMMP73VCZF-R33M	0.33	100	20	33	4.2	4.0
CTMMP73VCZF-R47M	0.47	100	16.5	27	5.5	5.0
CTMMP73VCZF-R68M	0.68	100	15	24	6.3	5.7
CTMMP73VCZF-R82M	0.82	100	13	23	8.0	7.5
CTMMP73VCZF-1R0M	1.0	100	12	22	10	9.0
CTMMP73VCZF-1R5M	1.5	100	9.5	18	15	13.5
CTMMP73VCZF-2R2M	2.2	100	8.5	14	20	17.0
CTMMP73VCZF-3R3M	3.3	100	6.0	12	35	32.0
CTMMP73VCZF-4R7M	4.7	100	5.5	9	40	35.0
CTMMP73VCZF-6R8M	6.8	100	4.5	8	60	54.0
CTMMP73VCZF-8R2M	8.2	100	4.5	6	60	54.0
CTMMP73VCZF-100M	10	100	4.0	5.5	68	62.0
CTMMP73VCZF-150M	15	100	3.0	5.0	122	111
CTMMP73VCZF-220M	22	100	3.0	3.2	145	130
CTMMP73VCZF-330M	33	100	2.0	3.0	270	245

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



PAD LAYOUT

