CTMMP2012CF Series

From .33µH to 10µH

CHARACTERISTICS

Description: SMD (shielded) power inductor.
Applications: Notebook, Desktop, Server applications, Low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).
Operating Temperature: -40°C to +125°C (The part temperature (ambient + temp. rise) should not exceed 125°C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow 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, 1.0V
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.

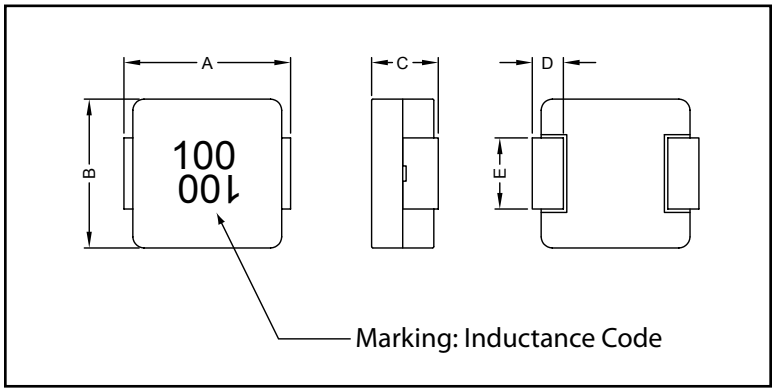
SPECIFICATIONS

Parts are available in ±20% inductance tolerance only.
*Irms: Will cause the coil temp. rise approximately ΔT of 40°C. (Keep 1 Min)
**Isat: Will cause L0 to drop approximately 20%. (Keep quickly)

Part Number	Inductance (µH)	L Test Freq. (KHz)	DCR Typ. (mΩ)	DCR Max. (mΩ)	*Irms Typ. (A)	**Isat Typ. (A)	SRF Typ. (MHz)
CTMMP2012CF-R33M	0.33	100	4.3	5.0	14.0	18.0	86
CTMMP2012CF-R47M	0.47	100	6.4	7.4	12.0	16.0	80
CTMMP2012CF-R68M	0.68	100	10.0	12.0	8.5	14.0	74
CTMMP2012CF-1R0M	1.00	100	13.0	14.0	7.0	11.0	70
CTMMP2012CF-1R2M	1.20	100	14.0	16.0	6.5	11.0	65
CTMMP2012CF-1R5M	1.50	100	16.0	25.0	6.0	10.0	60
CTMMP2012CF-2R2M	2.20	100	25.0	35.0	5.5	9.0	43
CTMMP2012CF-3R3M	3.30	100	32.0	38.0	5.0	8.0	30
CTMMP2012CF-4R7M	4.70	100	50.0	53.0	4.6	6.0	23
CTMMP2012CF-5R6M	5.60	100	55.0	63.0	4.25	4.5	20
CTMMP2012CF-6R8M	6.80	100	68.0	76.2	4.0	4.3	18
CTMMP2012CF-100M	10.0	100	110.0	128.0	2.75	3.5	16

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
mm	5.5±0.3	5.2±0.2	2.8±0.2	1.1±0.3	1.5±0.2
inches	0.22±0.012	0.20±0.008	0.11±0.008	0.043±0.012	0.06±0.008



PAD LAYOUT