CTSLF1045F Series
From 10µH to 1,500µH



CHARACTERISTICS

Description: SMD (shielded) power inductor
Applications: For power source circuits, low profile type DC to DC converters, DC to AC inverters etc.
Operating Temperature: -20°C to +85°C
Inductance Tolerance: ±20%
Testing: Inductance is tested on a HP4284A at 1.0kHz, 0.5V
IDC Current: Value obtained when DC current flows and the intial value of inductance has fallen by 10%
Itemp Current: Value obtained when current flows and the temperature has risen to 30°C
Packaging: Tape & Reel
Marking: Parts are marked with the inductance code
Miscellaneous: Magnetically shielded. RoHS Compliant.
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

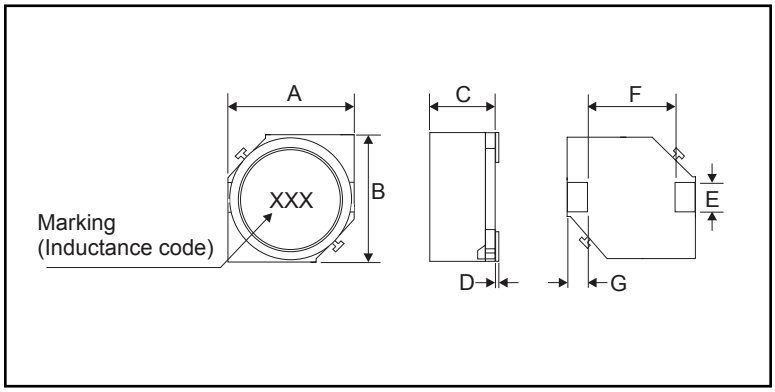
SPECIFICATIONS

Parts are available in ±20% tolerance only.

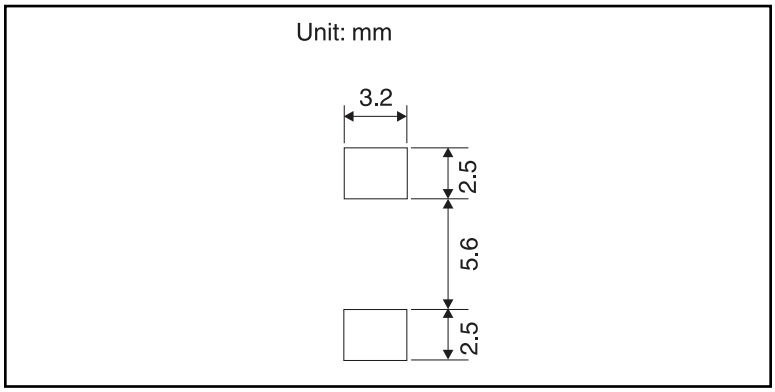
Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR ±20% (Ω)	Rated DC (A)	Itemp Max. (A)
CTSLF1045TF-100M	10	1.0	0.0364	3.0	2.5
CTSLF1045TF-150M	15	1.0	0.0472	2.4	2.2
CTSLF1045TF-220M	22	1.0	0.0591	2.1	1.9
CTSLF1045TF-330M	33	1.0	0.0815	1.6	1.7
CTSLF1045TF-470M	47	1.0	0.1	1.4	1.5
CTSLF1045TF-680M	68	1.0	0.14	1.2	1.3
CTSLF1045TF-101M	100	1.0	0.2	1.0	1.1
CTSLF1045TF-151M	150	1.0	0.35	0.79	0.81
CTSLF1045TF-221M	220	1.0	0.47	0.65	0.7
CTSLF1045TF-331M	330	1.0	0.68	0.54	0.58
CTSLF1045TF-471M	470	1.0	1.03	0.47	0.47
CTSLF1045TF-681M	680	1.0	1.6	0.38	0.38
CTSLF1045TF-102M	1000	1.0	2.8	0.32	0.29
CTSLF1045TF-152M	1500	1.0	3.4	0.22	0.26

PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.	E	F	G
mm	10.1±0.3	10.1±0.3	4.5±0.3	0.15	3±0.1	6±0.2	2±0.15
inches	0.40±0.012	0.40±0.012	0.18±0.012	0.006	0.12±0.004	0.24±0.008	0.08±0.006



PAD LAYOUT



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