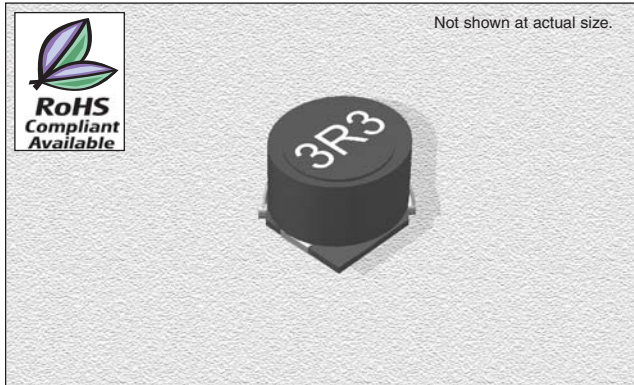


CTSLF0745 Series

From 2.2 μH to 1000 μH



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: $\pm 20\%$

Testing: Inductance is tested on an HP4284A at specified frequency.

IDC Current: Value obtained when DC current flows and the initial value of inductance has fallen by 10%

Itemp Current: Value obtained when current flows and the temperature has risen to 20°C

Packaging: Tape & Reel

Marking: Parts are marked with inductance code

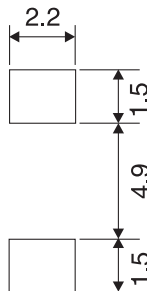
Miscellaneous: RoHS Compliant available. Magnetically shielded

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



SPECIFICATIONS

Parts are available in $\pm 20\%$ tolerance only.

CTSLF0745TE Please specify "F" for RoHS Compliant

Part Number	Inductance (μH)	L Test Freq. (kHz)	DCR $\pm 20\%$ (Ω)	Rated DC (A)	Itemp Max. (A)
CTSLF0745T_-2R2M	2.2	100	0.033	3.2	3.2
CTSLF0745T_-3R3M	3.3	1.0	0.02	2.5	2.3
CTSLF0745T_-4R7M	4.7	1.0	0.03	2.0	2.1
CTSLF0745T_-6R8M	6.8	1.0	0.039	1.7	1.74
CTSLF0745T_-100M	10	1.0	0.036	1.3	1.78
CTSLF0745T_-150M	15	1.0	0.052	1.1	1.53
CTSLF0745T_-220M	22	1.0	0.061	0.9	1.34
CTSLF0745T_-330M	33	1.0	0.096	0.82	1.09
CTSLF0745T_-470M	47	1.0	0.125	0.75	0.92
CTSLF0745T_-680M	68	1.0	0.175	0.6	0.77
CTSLF0745T_-101M	100	1.0	0.25	0.5	0.65
CTSLF0745T_-151M	150	1.0	0.34	0.4	0.55
CTSLF0745T_-221M	220	1.0	0.52	0.33	0.45
CTSLF0745T_-331M	330	1.0	0.74	0.25	0.37
CTSLF0745T_-471M	470	1.0	1.05	0.22	0.31
CTSLF0745T_-681M	680	1.0	1.48	0.2	0.27
CTSLF0745T_-102M	1000	1.0	2.28	0.14	0.25

PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.	E Typ.	F Typ.
mm	7 ± 0.2	7 ± 0.2	4.5 ± 0.3	4.9	0.9	2.0
inches	0.28 ± 0.008	0.28 ± 0.008	0.18 ± 0.012	0.193	0.035	0.079

