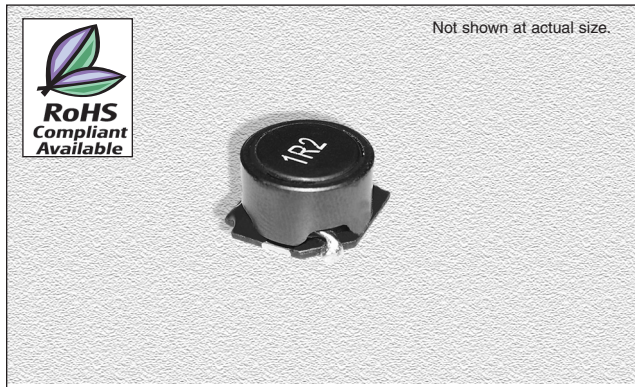


CTSLF1275 Series

From 1.2 μ H to 220 μ H



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: -40°C to +125°C

Inductance Tolerance: $\pm 20\%$ & $\pm 30\%$

Testing: Inductance is tested on an HP4284A at 1.0 kHz, 0.5V

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 40°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.

SPECIFICATIONS

Part numbers are marked to indicate tolerance available.

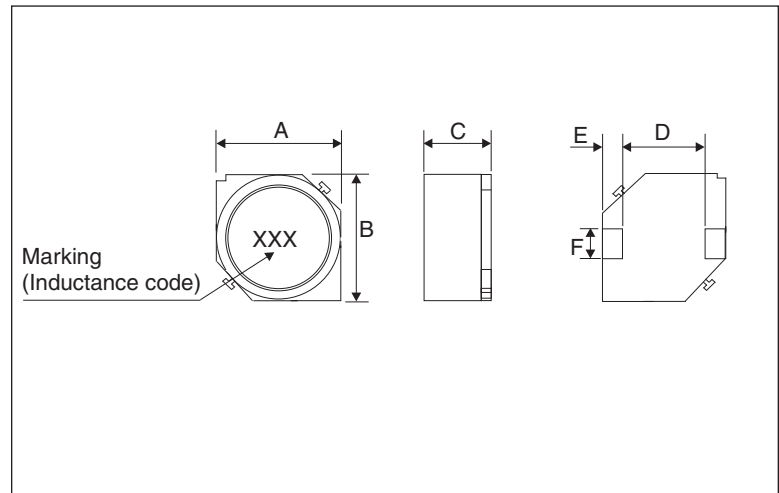
M = $\pm 20\%$, N = $\pm 30\%$

CTSLF1275TE Please specify "F" for RoHS compliant

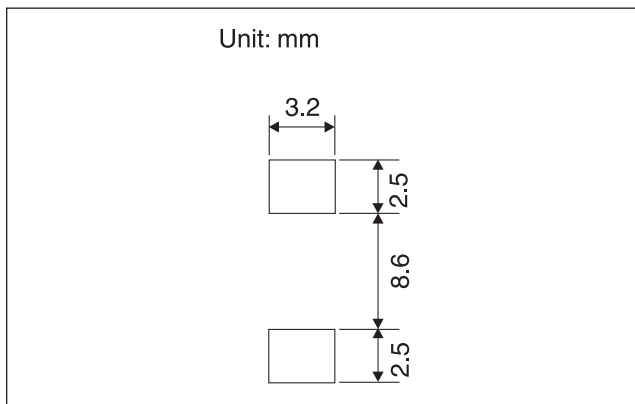
Part Number	Inductance (μ H)	L Test Freq. (kHz)	DCR $\pm 20\%$ (Ω)	Rated DC (A)	Itemp Max. (A)
CTSLF1275T_-1R2N	1.2	1.0	0.0069	13	8.2
CTSLF1275T_-2R7N	2.7	1.0	0.0094	10	7.0
CTSLF1275T_-3R9N	3.9	1.0	0.0104	9.0	6.7
CTSLF1275T_-5R6N	5.6	1.0	0.0116	7.8	6.3
CTSLF1275T_-6R8N	6.8	1.0	0.0131	7.2	5.9
CTSLF1275T_-100M	10	1.0	0.0156	5.5	5.4
CTSLF1275T_-150M	15	1.0	0.0184	4.7	5.0
CTSLF1275T_-220M	22	1.0	0.0263	4.0	4.0
CTSLF1275T_-330M	33	1.0	0.0395	3.2	3.4
CTSLF1275T_-470M	47	1.0	0.0528	2.7	3.0
CTSLF1275T_-680M	68	1.0	0.0778	2.0	2.4
CTSLF1275T_-101M	100	1.0	0.125	1.9	1.9
CTSLF1275T_-151M	150	1.0	0.175	1.5	1.6
CTSLF1275T_-221M	220	1.0	0.258	1.3	1.3

PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.	E Typ.	F Typ.
mm	12.5 $\pm$ 0.3	12.5 $\pm$ 0.3	7.5 $\pm$ 0.35	8.6	2.0	3.0
inches	0.49 $\pm$ 0.012	0.49 $\pm$ 0.012	0.30 $\pm$ 0.014	0.339	0.079	0.118



PAD LAYOUT



03.19.07