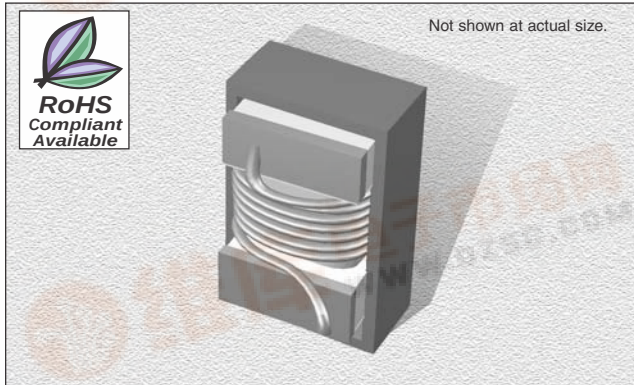


查询"CT1210LSCF-100I"供应商

## CT1210LSC Series

From 0.47  $\mu\text{H}$  to 680  $\mu\text{H}$ 

## CHARACTERISTICS

**Description:** SMD ferrite core wire-wound high current chip inductor

**Applications:** LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment

**Operating Temperature:** -25°C to +85°C

**Inductance Tolerance:**  $\pm 5\%$  &  $\pm 10\%$

**Testing:** Inductance and Q are tested on an HP4285A at specified frequency

**Packaging:** Tape & Reel

**Miscellaneous:** RoHS Compliant available.

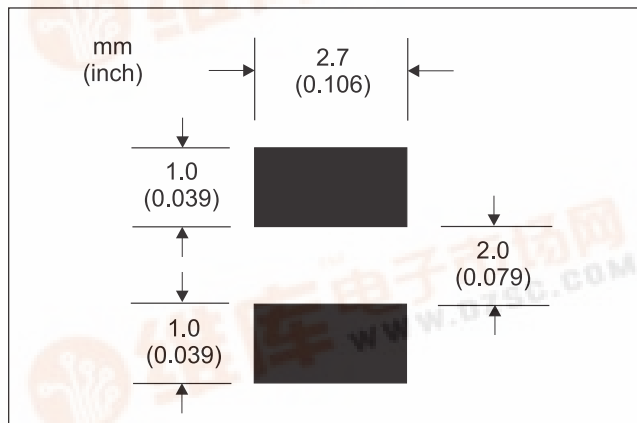
**Marking:** Parts are marked with color dots in nanoHenries.

Example: 10 $\mu\text{H}$  = 10000nH  $\leftarrow$  marking would be Brown, Black, Orange(103).

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

## PAD LAYOUT



## SPECIFICATIONS

Please specify tolerance code when ordering.

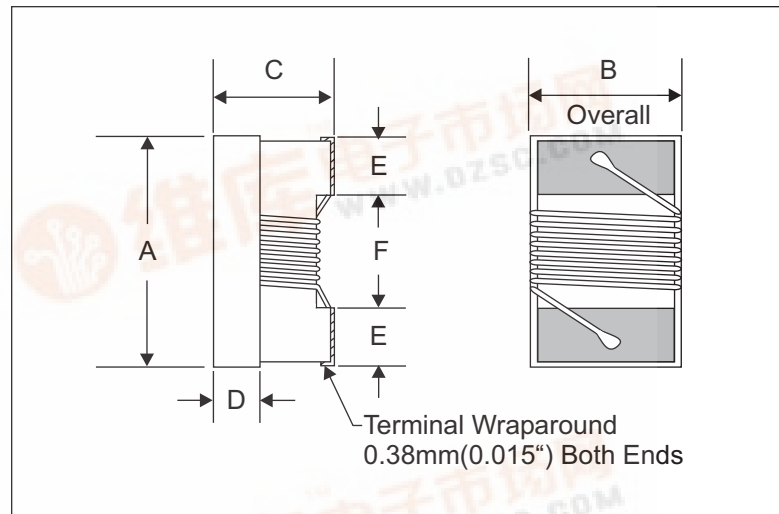
CT1210LSC-1R0  $\leftarrow$  J =  $\pm 5\%$ , K =  $\pm 10\%$

CT1210LSCF Please specify "F" for RoHS compliant

| Part Number     | Inductance ( $\mu\text{H}$ ) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR $\pm 30\%$ ( $\Omega$ ) | Rated DC (mA) |
|-----------------|------------------------------|--------------------|--------------|--------------------|----------------|-----------------------------|---------------|
| CT1210LSC_-R47_ | 0.47                         | 25.2               | 40           | 25.2               | 450            | 0.07                        | 1800          |
| CT1210LSC_-1R0_ | 1.0                          | 7.96               | 20           | 7.96               | 100            | 0.08                        | 1500          |
| CT1210LSC_-1R5_ | 1.5                          | 7.96               | 20           | 7.96               | 80             | 0.11                        | 1125          |
| CT1210LSC_-1R8_ | 1.8                          | 7.96               | 20           | 7.96               | 70             | 0.13                        | 970           |
| CT1210LSC_-2R2_ | 2.2                          | 7.96               | 20           | 7.96               | 68             | 0.13                        | 970           |
| CT1210LSC_-2R7_ | 2.7                          | 7.96               | 20           | 7.96               | 62             | 0.15                        | 900           |
| CT1210LSC_-3R3_ | 3.3                          | 7.96               | 20           | 7.96               | 54             | 0.16                        | 837           |
| CT1210LSC_-4R7_ | 4.7                          | 7.96               | 20           | 7.96               | 43             | 0.20                        | 675           |
| CT1210LSC_-5R6_ | 5.6                          | 7.96               | 20           | 7.96               | 36             | 0.26                        | 620           |
| CT1210LSC_-6R8_ | 6.8                          | 7.96               | 20           | 7.96               | 33             | 0.27                        | 600           |
| CT1210LSC_-8R2_ | 8.2                          | 7.96               | 15           | 7.96               | 28             | 0.33                        | 570           |
| CT1210LSC_-100_ | 10                           | 2.52               | 15           | 2.52               | 28             | 0.36                        | 520           |
| CT1210LSC_-150_ | 15                           | 2.52               | 15           | 2.52               | 19             | 0.56                        | 480           |
| CT1210LSC_-180_ | 18                           | 2.52               | 15           | 2.52               | 17             | 0.67                        | 330           |
| CT1210LSC_-220_ | 22                           | 2.52               | 15           | 2.52               | 16             | 0.77                        | 310           |
| CT1210LSC_-270_ | 27                           | 2.52               | 15           | 2.52               | 13             | 1.00                        | 280           |
| CT1210LSC_-330_ | 33                           | 2.52               | 15           | 2.52               | 12             | 1.10                        | 270           |
| CT1210LSC_-470_ | 47                           | 2.52               | 15           | 2.52               | 10             | 1.64                        | 210           |
| CT1210LSC_-680_ | 68                           | 2.52               | 15           | 2.52               | 9              | 2.8                         | 189           |
| CT1210LSC_-101_ | 100                          | 0.796              | 15           | 0.796              | 6              | 3.7                         | 145           |
| CT1210LSC_-151_ | 150                          | 0.796              | 15           | 0.796              | 5              | 6.1                         | 120           |
| CT1210LSC_-181_ | 180                          | 0.796              | 15           | 0.796              | 4              | 8.0                         | 105           |
| CT1210LSC_-221_ | 220                          | 0.796              | 15           | 0.796              | 4              | 8.4                         | 100           |
| CT1210LSC_-331_ | 330                          | 0.796              | 15           | 0.796              | 3.5            | 12                          | 80            |
| CT1210LSC_-471_ | 470                          | 0.796              | 15           | 0.796              | 2.8            | 22                          | 75            |
| CT1210LSC_-681_ | 680                          | 0.796              | 15           | 0.796              | 2              | 28                          | 65            |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D     | E     | F     |
|--------|--------|--------|--------|-------|-------|-------|
| mm     | 3.70   | 2.90   | 2.6    | 0.51  | 0.51  | 1.52  |
| inches | 0.146  | 0.114  | 0.102  | 0.019 | 0.019 | 0.060 |



09.01.05

Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids

800-684-5322 Inside US

949-453-1811 Outside US

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