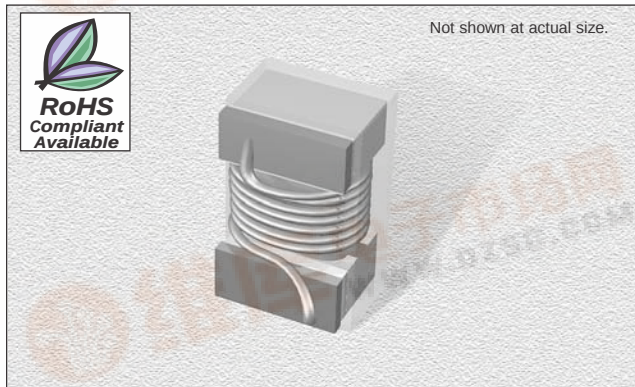


查询"CT1008LSCF-100I"供应商

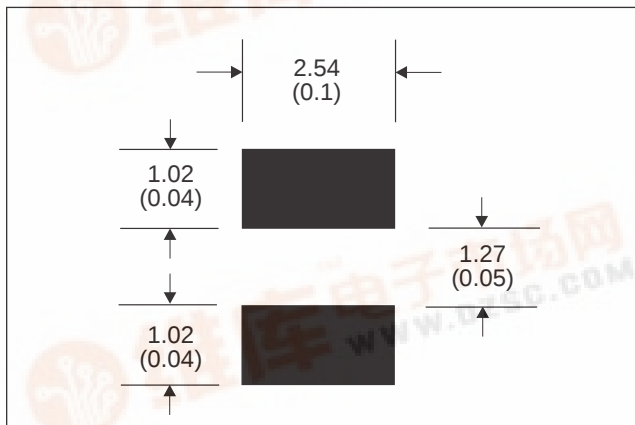
## CT1008LSC Series

From .005  $\mu$ H to 100  $\mu$ H

## CHARACTERISTICS

**Description:** SMD ferrite core wire-wound 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 HP4286A at specified frequency**Packaging:** Tape & Reel**Miscellaneous:** RoHS Compliant available.**Marking:** Parts are marked with color dots in nanoHenries.Example: 10 $\mu$ 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.  
 CT1008LSC-22N  $\leftarrow$  J =  $\pm 5\%$ , K =  $\pm 10\%$   
 CT1008LSCF Please specify "F" for RoHS compliant

| Part Number     | Inductance ( $\mu$ H) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | Rated DC (mA) |
|-----------------|-----------------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CT1008LSC_-5N0K | .005                  | 100                | 10           | 100                | 3000           | .25                   | 2000          |
| CT1008LSC_-10NK | .010                  | 100                | 10           | 100                | 2500           | .25                   | 1800          |
| CT1008LSC_-12NK | .012                  | 100                | 15           | 100                | 2400           | .26                   | 1700          |
| CT1008LSC_-15NK | .015                  | 100                | 15           | 100                | 2300           | .28                   | 1600          |
| CT1008LSC_-18NK | .018                  | 100                | 15           | 100                | 2200           | .30                   | 1550          |
| CT1008LSC_-22N  | .022                  | 100                | 20           | 100                | 2100           | .35                   | 1500          |
| CT1008LSC_-27N  | .027                  | 100                | 20           | 100                | 2000           | .40                   | 1450          |
| CT1008LSC_-33N  | .033                  | 100                | 30           | 100                | 1600           | .42                   | 1400          |
| CT1008LSC_-39N  | .039                  | 100                | 35           | 100                | 1500           | .45                   | 1350          |
| CT1008LSC_-47N  | .047                  | 100                | 35           | 100                | 1400           | .50                   | 1300          |
| CT1008LSC_-56N  | .056                  | 100                | 35           | 100                | 1300           | .60                   | 1250          |
| CT1008LSC_-68N  | .068                  | 100                | 35           | 100                | 1200           | .65                   | 1240          |
| CT1008LSC_-82N  | .082                  | 100                | 35           | 100                | 1100           | .75                   | 1230          |
| CT1008LSC_-R10  | .10                   | 100                | 35           | 100                | 800            | .80                   | 1220          |
| CT1008LSC_-R12  | .12                   | 25.2               | 30           | 25.2               | 700            | .30                   | 900           |
| CT1008LSC_-R15  | .15                   | 25.2               | 30           | 25.2               | 550            | .35                   | 900           |
| CT1008LSC_-R18  | .18                   | 25.2               | 30           | 25.2               | 500            | .40                   | 850           |
| CT1008LSC_-R22  | .22                   | 25.2               | 30           | 25.2               | 450            | .50                   | 840           |
| CT1008LSC_-R27  | .27                   | 25.2               | 30           | 25.2               | 425            | .55                   | 830           |
| CT1008LSC_-R33  | .33                   | 25.2               | 30           | 25.2               | 400            | .60                   | 820           |
| CT1008LSC_-R39  | .39                   | 25.2               | 30           | 25.2               | 375            | .65                   | 810           |
| CT1008LSC_-R47  | .47                   | 25.2               | 30           | 25.2               | 350            | .68                   | 800           |
| CT1008LSC_-R56  | .56                   | 25.2               | 30           | 25.2               | 325            | .75                   | 800           |
| CT1008LSC_-R68  | .68                   | 25.2               | 30           | 25.2               | 300            | .85                   | 800           |
| CT1008LSC_-R82  | .82                   | 25.2               | 30           | 25.2               | 260            | 1.0                   | 800           |
| CT1008LSC_-1R0  | 1.0                   | 7.96               | 25           | 7.96               | 245            | 1.1                   | 800           |
| CT1008LSC_-1R2  | 1.2                   | 7.96               | 25           | 7.96               | 230            | 1.2                   | 790           |
| CT1008LSC_-1R5  | 1.5                   | 7.96               | 25           | 7.96               | 182            | 1.3                   | 750           |
| CT1008LSC_-1R8  | 1.8                   | 7.96               | 25           | 7.96               | 135            | 1.5                   | 750           |
| CT1008LSC_-2R2  | 2.2                   | 7.96               | 25           | 7.96               | 105            | 1.6                   | 750           |
| CT1008LSC_-2R7  | 2.7                   | 7.96               | 25           | 7.96               | 70             | 1.7                   | 740           |
| CT1008LSC_-3R3  | 3.3                   | 7.96               | 25           | 7.96               | 55             | 1.9                   | 730           |
| CT1008LSC_-3R9  | 3.9                   | 7.96               | 25           | 7.96               | 48             | 2.1                   | 700           |
| CT1008LSC_-4R7  | 4.7                   | 7.96               | 25           | 7.96               | 43             | 2.3                   | 650           |
| CT1008LSC_-5R6  | 5.6                   | 7.96               | 20           | 7.96               | 42             | 2.5                   | 640           |
| CT1008LSC_-6R8  | 6.8                   | 7.96               | 20           | 7.96               | 39             | 2.7                   | 630           |
| CT1008LSC_-8R2  | 8.2                   | 7.96               | 20           | 7.96               | 36             | 3.1                   | 600           |
| CT1008LSC_-100  | 10                    | 2.52               | 15           | 2.52               | 33             | 3.5                   | 600           |
| CT1008LSC_-120  | 12                    | 2.52               | 15           | 2.52               | 30             | 3.8                   | 550           |
| CT1008LSC_-150  | 15                    | 2.52               | 15           | 2.52               | 26             | 4.4                   | 430           |
| CT1008LSC_-180  | 18                    | 2.52               | 15           | 2.52               | 24             | 4.8                   | 400           |
| CT1008LSC_-220  | 22                    | 2.52               | 15           | 2.52               | 22             | 5.5                   | 400           |
| CT1008LSC_-270  | 27                    | 2.52               | 15           | 2.52               | 21             | 6.3                   | 360           |
| CT1008LSC_-330  | 33                    | 2.52               | 15           | 2.52               | 20             | 7.1                   | 350           |
| CT1008LSC_-390  | 39                    | 2.52               | 10           | 2.52               | 18             | 9.5                   | 330           |
| CT1008LSC_-470  | 47                    | 2.52               | 10           | 2.52               | 17             | 11.1                  | 300           |
| CT1008LSC_-560  | 56                    | 2.52               | 10           | 2.52               | 16             | 12.1                  | 270           |
| CT1008LSC_-680  | 68                    | 2.52               | 10           | 2.52               | 15             | 16.6                  | 250           |
| CT1008LSC_-820  | 82                    | 2.52               | 10           | 2.52               | 13             | 19                    | 200           |
| CT1008LSC_-101  | 100                   | 0.796              | 8            | 0.796              | 12             | 21                    | 120           |

## PHYSICAL DIMENSIONS

| Size   | A<br>Max. | B<br>Max. | C<br>Max. | D     | E     | F     |
|--------|-----------|-----------|-----------|-------|-------|-------|
| mm     | 2.92      | 2.79      | 2.1       | 0.51  | 1.52  | 0.51  |
| inches | 0.113     | 0.108     | 0.081     | 0.019 | 0.059 | 0.019 |

08.09.05

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

800-684-5322 Inside US

949-453-1811 Outside US

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