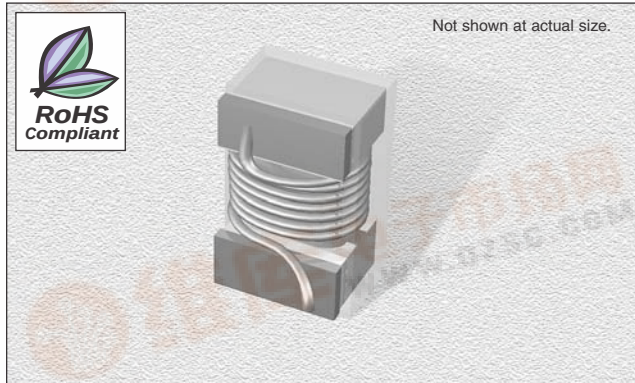


查询"CT1008CSF-100M"供应商

## CT1008CSF Series

From 3.9 nH to 10,000 nH

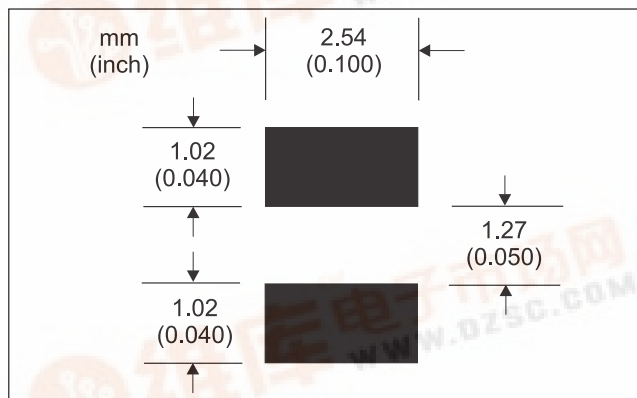
## ENGINEERING KIT #5F



## CHARACTERISTICS

**Description:** SMD ceramic 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:** -40°C to +125°C**Inductance Tolerance:**  $\pm 2\%$ ,  $\pm 5\%$ ,  $\pm 10\%$  &  $\pm 20\%$ **Testing:** Inductance and Q are tested on an HP4287A at specified frequency**Packaging:** Tape & Reel**Marking:** Reels are marked with inductance code and tolerance**Miscellaneous:** RoHS Compliant. Parts are also available without a clear plastic cap. Other values available.**Additional Information:** Additional electrical & physical information available upon request**Samples available. See website for ordering information.**

## PAD LAYOUT



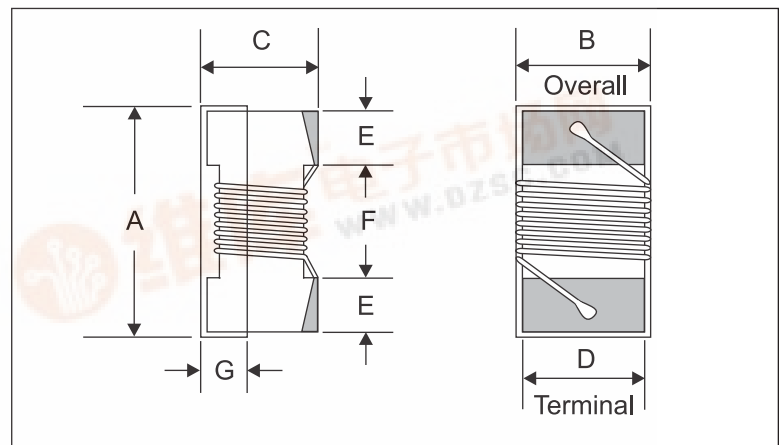
## SPECIFICATIONS

Please specify tolerance code when ordering.  
 CT1008CSF-330\_ ← G =  $\pm 2\%$ , J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
 \* K or M only \*\* J, K or M only

| Part Number      | Inductance (nH) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | Rated DC (mA) |
|------------------|-----------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CT1008CSF-030_*  | 3.9             | 50                 | 40           | 900                | 6000           | .05                   | 1100          |
| CT1008CSF-040_*  | 4.7             | 50                 | 50           | 1500               | 4100           | .08                   | 1000          |
| CT1008CSF-080_*  | 8.2             | 50                 | 40           | 1500               | 4200           | .07                   | 1000          |
| CT1008CSF-100_** | 10              | 50                 | 50           | 500                | 4100           | .08                   | 1000          |
| CT1008CSF-120_** | 12              | 50                 | 50           | 500                | 3300           | .09                   | 1000          |
| CT1008CSF-150_** | 15              | 50                 | 50           | 500                | 2500           | .10                   | 1000          |
| CT1008CSF-180_** | 18              | 50                 | 50           | 350                | 2500           | .11                   | 1000          |
| CT1008CSF-220_** | 22              | 50                 | 55           | 350                | 2400           | .12                   | 1000          |
| CT1008CSF-270_** | 27              | 50                 | 55           | 350                | 1600           | .13                   | 1000          |
| CT1008CSF-330_   | 33              | 50                 | 60           | 350                | 1600           | .14                   | 1000          |
| CT1008CSF-390_   | 39              | 50                 | 60           | 350                | 1500           | .15                   | 1000          |
| CT1008CSF-470_   | 47              | 50                 | 65           | 350                | 1500           | .16                   | 1000          |
| CT1008CSF-560_   | 56              | 50                 | 65           | 350                | 1300           | .18                   | 1000          |
| CT1008CSF-680_   | 68              | 50                 | 65           | 350                | 1300           | .20                   | 1000          |
| CT1008CSF-820_   | 82              | 50                 | 60           | 350                | 1000           | .22                   | 1000          |
| CT1008CSF-101_   | 100             | 25                 | 60           | 350                | 1000           | .56                   | 650           |
| CT1008CSF-121_   | 120             | 25                 | 60           | 350                | 950            | .63                   | 650           |
| CT1008CSF-151_   | 150             | 25                 | 45           | 100                | 850            | .70                   | 580           |
| CT1008CSF-181_   | 180             | 25                 | 45           | 100                | 750            | .77                   | 620           |
| CT1008CSF-221_   | 220             | 25                 | 45           | 100                | 700            | .84                   | 500           |
| CT1008CSF-271_   | 270             | 25                 | 45           | 100                | 600            | .91                   | 500           |
| CT1008CSF-331_   | 330             | 25                 | 45           | 100                | 570            | 1.1                   | 450           |
| CT1008CSF-391_   | 390             | 25                 | 45           | 100                | 500            | 1.1                   | 470           |
| CT1008CSF-471_   | 470             | 25                 | 45           | 100                | 450            | 1.2                   | 400           |
| CT1008CSF-561_   | 560             | 25                 | 45           | 100                | 415            | 1.3                   | 400           |
| CT1008CSF-621_   | 620             | 25                 | 45           | 100                | 375            | 1.4                   | 300           |
| CT1008CSF-681_   | 680             | 25                 | 45           | 100                | 375            | 1.5                   | 400           |
| CT1008CSF-751_   | 750             | 25                 | 45           | 100                | 360            | 1.5                   | 360           |
| CT1008CSF-821_   | 820             | 25                 | 45           | 100                | 350            | 1.6                   | 400           |
| CT1008CSF-911_   | 910             | 25                 | 35           | 50                 | 320            | 1.7                   | 380           |
| CT1008CSF-102_   | 1000            | 25                 | 35           | 50                 | 290            | 1.8                   | 370           |
| CT1008CSF-122_   | 1200            | 7.9                | 35           | 50                 | 250            | 2.0                   | 310           |
| CT1008CSF-152_   | 1500            | 7.9                | 28           | 50                 | 200            | 2.3                   | 330           |
| CT1008CSF-182_   | 1800            | 7.9                | 28           | 50                 | 160            | 2.6                   | 300           |
| CT1008CSF-222_   | 2200            | 7.9                | 28           | 50                 | 160            | 2.8                   | 280           |
| CT1008CSF-272_   | 2700            | 7.9                | 22           | 25                 | 140            | 3.2                   | 290           |
| CT1008CSF-332_   | 3300            | 7.9                | 22           | 25                 | 110            | 3.4                   | 290           |
| CT1008CSF-392_   | 3900            | 7.9                | 20           | 25                 | 100            | 3.6                   | 260           |
| CT1008CSF-472_   | 4700            | 7.9                | 20           | 25                 | 90             | 4.0                   | 260           |
| CT1008CSF-562_   | 5600            | 7.9                | 20           | 7.9                | 55             | 7.0                   | 200           |
| CT1008CSF-682_   | 6800            | 7.9                | 20           | 7.9                | 45             | 8.0                   | 180           |
| CT1008CSF-822_   | 8200            | 7.9                | 20           | 7.9                | 35             | 9.5                   | 150           |
| CT1008CSF-103_   | 10000           | 7.9                | 20           | 7.9                | 25             | 12                    | 100           |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D    | E    | F    | G    |
|--------|--------|--------|--------|------|------|------|------|
| mm     | 2.92   | 2.79   | 2.1    | 2.03 | 0.51 | 1.52 | 0.51 |
| inches | 0.12   | 0.11   | 0.08   | 0.08 | 0.02 | 0.06 | 0.02 |



01.04.07

Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US

949-453-1811 Outside US

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