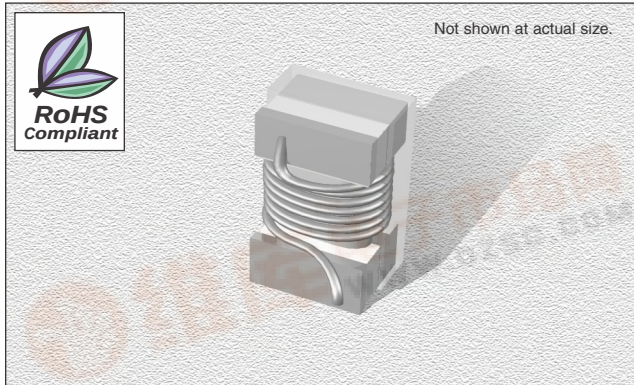


查询"CT0603CSF-R27K"供应商

## CT0603CSF Series

From 1.6 nH to 390 nH

## ENGINEERING KIT #5F



## CHARACTERISTICS

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

**Applications:** Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment. Also, audio & video applications and the automotive electronics industry. High frequency applications

**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

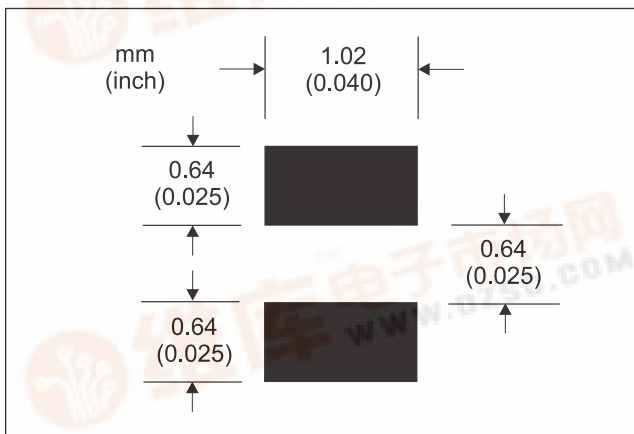
**Marking:** Reels are marked with inductance code and tolerance

**Miscellaneous:** RoHS Compliant. Additional values available

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

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

## PAD LAYOUT



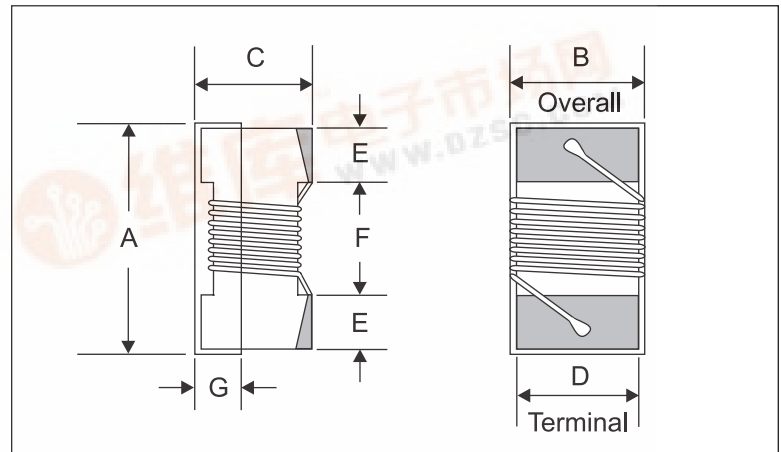
## SPECIFICATIONS

Please specify tolerance code when ordering.  
CT0603CSF-1N6\_ ← G =  $\pm 2\%$ , J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
\* 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) |
|-----------------|-----------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CT0603CSF-1N6_* | 1.6             | 250                | 24           | 250                | 12500          | .030                  | 700           |
| CT0603CSF-1N8_* | 1.8             | 250                | 16           | 250                | 12500          | .045                  | 700           |
| CT0603CSF-2N2_* | 2.2             | 250                | 13           | 250                | 12500          | 0.25                  | 100           |
| CT0603CSF-3N3_* | 3.3             | 250                | 35           | 250                | 5900           | .045                  | 700           |
| CT0603CSF-3N6_* | 3.6             | 250                | 22           | 250                | 5900           | .063                  | 700           |
| CT0603CSF-3N9_* | 3.9             | 250                | 22           | 250                | 6900           | .080                  | 700           |
| CT0603CSF-4N3_* | 4.3             | 250                | 22           | 250                | 5900           | .063                  | 700           |
| CT0603CSF-4N7_* | 4.7             | 250                | 20           | 250                | 5800           | .116                  | 700           |
| CT0603CSF-5N1_* | 5.1             | 250                | 20           | 250                | 5700           | .140                  | 700           |
| CT0603CSF-5N6_* | 5.6             | 250                | 20           | 250                | 5700           | .170                  | 700           |
| CT0603CSF-6N3_* | 6.3             | 250                | 20           | 250                | 5700           | .140                  | 700           |
| CT0603CSF-6N8_* | 6.8             | 250                | 27           | 250                | 5800           | .110                  | 700           |
| CT0603CSF-7N5_* | 7.5             | 250                | 28           | 250                | 4800           | .106                  | 700           |
| CT0603CSF-8N2_* | 8.2             | 250                | 28           | 250                | 4700           | .109                  | 700           |
| CT0603CSF-8N7_* | 8.7             | 250                | 28           | 250                | 4600           | .109                  | 700           |
| CT0603CSF-9N5_* | 9.5             | 250                | 28           | 250                | 5400           | .135                  | 700           |
| CT0603CSF-10N_  | 10              | 250                | 31           | 250                | 4800           | .130                  | 700           |
| CT0603CSF-11N_  | 11              | 250                | 33           | 250                | 4000           | .086                  | 700           |
| CT0603CSF-12N_  | 12              | 250                | 35           | 250                | 4000           | .130                  | 700           |
| CT0603CSF-15N_  | 15              | 250                | 35           | 250                | 4000           | .170                  | 700           |
| CT0603CSF-16N_  | 16              | 250                | 34           | 250                | 3300           | .104                  | 700           |
| CT0603CSF-18N_  | 18              | 250                | 35           | 250                | 3100           | .170                  | 700           |
| CT0603CSF-22N_  | 22              | 250                | 38           | 250                | 3000           | .190                  | 700           |
| CT0603CSF-23N_  | 23              | 250                | 38           | 250                | 2850           | .135                  | 700           |
| CT0603CSF-24N_  | 24              | 250                | 37           | 250                | 2650           | .135                  | 700           |
| CT0603CSF-27N_  | 27              | 250                | 40           | 250                | 2800           | .220                  | 600           |
| CT0603CSF-30N_  | 30              | 250                | 37           | 250                | 2250           | .144                  | 600           |
| CT0603CSF-33N_  | 33              | 250                | 40           | 250                | 2300           | .220                  | 600           |
| CT0603CSF-36N_  | 36              | 250                | 38           | 250                | 2080           | .250                  | 600           |
| CT0603CSF-39N_  | 39              | 250                | 40           | 250                | 2200           | .250                  | 600           |
| CT0603CSF-43N_  | 43              | 250                | 39           | 250                | 2000           | .280                  | 600           |
| CT0603CSF-47N_  | 47              | 200                | 38           | 200                | 2000           | .280                  | 600           |
| CT0603CSF-51N_  | 51              | 200                | 35           | 200                | 1900           | .340                  | 600           |
| CT0603CSF-56N_  | 56              | 200                | 38           | 200                | 1900           | .310                  | 600           |
| CT0603CSF-68N_  | 68              | 200                | 37           | 200                | 1700           | .340                  | 600           |
| CT0603CSF-72N_  | 72              | 150                | 34           | 150                | 1700           | .490                  | 400           |
| CT0603CSF-82N_  | 82              | 150                | 34           | 150                | 1700           | .540                  | 400           |
| CT0603CSF-R10_  | 100             | 150                | 34           | 150                | 1400           | .580                  | 400           |
| CT0603CSF-R11_  | 110             | 150                | 32           | 150                | 1350           | .610                  | 300           |
| CT0603CSF-R12_  | 120             | 150                | 32           | 150                | 1300           | .750                  | 300           |
| CT0603CSF-R15_  | 150             | 150                | 28           | 150                | 990            | .920                  | 280           |
| CT0603CSF-R18_  | 180             | 100                | 25           | 100                | 990            | 1.25                  | 240           |
| CT0603CSF-R22_  | 220             | 100                | 25           | 100                | 900            | 2.10                  | 200           |
| CT0603CSF-R27_  | 270             | 100                | 24           | 100                | 900            | 2.30                  | 170           |
| CT0603CSF-R33_* | 330             | 100                | 25           | 100                | 900            | 3.89                  | 100           |
| CT0603CSF-R39_* | 390             | 100                | 25           | 100                | 900            | 4.35                  | 100           |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D    | E     | F     | G     |
|--------|--------|--------|--------|------|-------|-------|-------|
| mm     | 1.8    | 1.12   | 1.02   | 0.76 | 0.33  | 0.86  | 0.38  |
| inches | 0.07   | 0.044  | 0.04   | 0.03 | 0.013 | 0.034 | 0.015 |



06.18.07

Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US

949-453-1811 Outside US

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