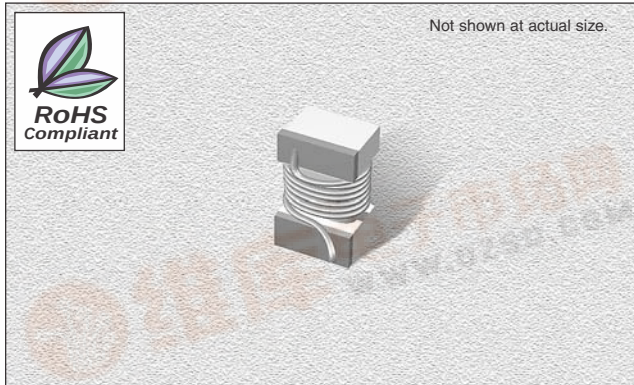


查询"CT0402CSF-2N2I"供应商

## CT0402CSF Series

From 1.0 nH to 120 nH

## ENGINEERING KIT #5F



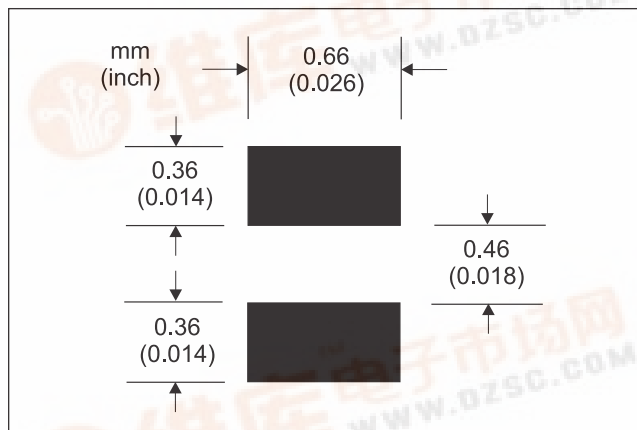
## CHARACTERISTICS

**Description:** SMD ceramic core wire-wound chip inductor**Applications:** Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment.

Also, audio &amp; video applications, the automotive electronics industry and high frequency applications

**Operating Temperature:** -40°C to +125°C**Inductance Tolerance:**  $\pm 2\%$ ,  $\pm 3\%$ ,  $\pm 5\%$ ,  $\pm 10\%$ **Testing:** Inductance and Q are tested on an HP4287A at 250 MHz**Packaging:** Tape & Reel**Marking:** Reels are marked with inductance code and tolerance**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.

CT0402CS-2N0  $\leftarrow$  G =  $\pm 2\%$ , H =  $\pm 3\%$ , J =  $\pm 5\%$ , K =  $\pm 10\%$   
\* J or K 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) |
|-----------------|-----------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CT0402CSF-1N0K  | 1.0             | 250                | 13           | 250                | >6000          | .04                   | 1000          |
| CT0402CSF-1N8K  | 1.8             | 250                | 14           | 250                | >6000          | .07                   | 1700          |
| CT0402CSF-1N9K  | 1.9             | 250                | 16           | 250                | >6000          | .07                   | 1040          |
| CT0402CSF-2N0 * | 2.0             | 250                | 16           | 250                | >6000          | .07                   | 1040          |
| CT0402CSF-2N2 * | 2.2             | 250                | 16           | 250                | >6000          | .07                   | 840           |
| CT0402CSF-2N4 * | 2.4             | 250                | 16           | 250                | >6000          | .07                   | 840           |
| CT0402CSF-2N7 * | 2.7             | 250                | 16           | 250                | >6000          | .07                   | 840           |
| CT0402CSF-3N3 * | 3.3             | 250                | 19           | 250                | >6000          | .06                   | 840           |
| CT0402CSF-3N6 * | 3.6             | 250                | 19           | 250                | >6000          | .06                   | 840           |
| CT0402CSF-3N9   | 3.9             | 250                | 17           | 250                | 5800           | .11                   | 800           |
| CT0402CSF-4N3   | 4.3             | 250                | 18           | 250                | 5800           | .11                   | 800           |
| CT0402CSF-4N7   | 4.7             | 250                | 20           | 250                | 5800           | .11                   | 800           |
| CT0402CSF-5N1   | 5.1             | 250                | 21           | 250                | 5800           | .11                   | 800           |
| CT0402CSF-5N6   | 5.6             | 250                | 20           | 250                | 4800           | .08                   | 760           |
| CT0402CSF-5N8   | 5.8             | 250                | 20           | 250                | 4800           | .083                  | 760           |
| CT0402CSF-6N2   | 6.2             | 250                | 20           | 250                | 4800           | .08                   | 760           |
| CT0402CSF-6N8   | 6.8             | 250                | 23           | 250                | 4400           | .14                   | 680           |
| CT0402CSF-7N5   | 7.5             | 250                | 23           | 250                | 4400           | .14                   | 680           |
| CT0402CSF-8N2   | 8.2             | 250                | 24           | 250                | 4400           | .14                   | 680           |
| CT0402CSF-8N7   | 8.7             | 250                | 18           | 250                | 4100           | .20                   | 480           |
| CT0402CSF-9N0   | 9.0             | 250                | 22           | 250                | 4160           | .10                   | 680           |
| CT0402CSF-9N5   | 9.5             | 250                | 18           | 250                | 4000           | .20                   | 480           |
| CT0402CSF-10N   | 10              | 250                | 25           | 250                | 3700           | .18                   | 600           |
| CT0402CSF-11N   | 11              | 250                | 25           | 250                | 3700           | .18                   | 600           |
| CT0402CSF-12N   | 12              | 250                | 25           | 250                | 3600           | .18                   | 600           |
| CT0402CSF-13N   | 13              | 250                | 26           | 250                | 3600           | .18                   | 600           |
| CT0402CSF-15N   | 15              | 250                | 26           | 250                | 3200           | .21                   | 560           |
| CT0402CSF-16N   | 16              | 250                | 26           | 250                | 3200           | .21                   | 560           |
| CT0402CSF-18N   | 18              | 250                | 26           | 250                | 3000           | .25                   | 480           |
| CT0402CSF-19N   | 19              | 250                | 24           | 250                | 3040           | .20                   | 480           |
| CT0402CSF-20N   | 20              | 250                | 26           | 250                | 3000           | .25                   | 480           |
| CT0402CSF-22N   | 22              | 250                | 26           | 250                | 2700           | .36                   | 375           |
| CT0402CSF-23N   | 23              | 250                | 22           | 250                | 2720           | .30                   | 400           |
| CT0402CSF-24N   | 24              | 250                | 26           | 250                | 2700           | .36                   | 375           |
| CT0402CSF-27N   | 27              | 250                | 26           | 250                | 2500           | .36                   | 375           |
| CT0402CSF-30N   | 30              | 250                | 26           | 250                | 2200           | .41                   | 320           |
| CT0402CSF-33N   | 33              | 250                | 26           | 250                | 2200           | .41                   | 320           |
| CT0402CSF-36N   | 36              | 250                | 26           | 250                | 2200           | .46                   | 310           |
| CT0402CSF-39N   | 39              | 250                | 26           | 250                | 2200           | .46                   | 310           |
| CT0402CSF-40N   | 40              | 250                | 24           | 250                | 2240           | .44                   | 320           |
| CT0402CSF-43N   | 43              | 250                | 26           | 250                | 2100           | .50                   | 300           |
| CT0402CSF-47N   | 47              | 250                | 26           | 250                | 2000           | .55                   | 260           |
| CT0402CSF-51N   | 51              | 250                | 26           | 250                | 2000           | .55                   | 260           |
| CT0402CSF-56N   | 56              | 250                | 26           | 250                | 1900           | .77                   | 200           |
| CT0402CSF-62N   | 62              | 250                | 22           | 250                | 1620           | 1.12                  | 100           |
| CT0402CSF-68N   | 68              | 250                | 22           | 250                | 1620           | 1.1                   | 100           |
| CT0402CSF-82N * | 82              | 250                | 26           | 250                | 1700           | 1.33                  | 180           |
| CT0402CSF-R10 * | 100             | 250                | 26           | 250                | 1300           | 1.87                  | 160           |
| CT0402CSF-R12 * | 120             | 250                | 26           | 250                | 1200           | 2.35                  | 140           |

## PHYSICAL DIMENSIONS

| Size   | A                | B                | C                | D                | E                 | F    |
|--------|------------------|------------------|------------------|------------------|-------------------|------|
| mm     | 1 $\pm$ 0.1      | 0.68 $\pm$ 0.1   | 0.55 $\pm$ 0.05  | 0.55 $\pm$ 0.05  | 0.2 $\pm$ 0.05    | 0.6  |
| inches | 0.04 $\pm$ 0.004 | 0.03 $\pm$ 0.004 | 0.02 $\pm$ 0.001 | 0.02 $\pm$ 0.001 | 0.007 $\pm$ 0.001 | 0.02 |

09.02.08

Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US

949-453-1811 Outside US

Copyright © 2008 by CT Magnetics, DBA Central Technologies. All rights reserved.

CT Magnetics reserves the right to make improvements or change specifications without notice