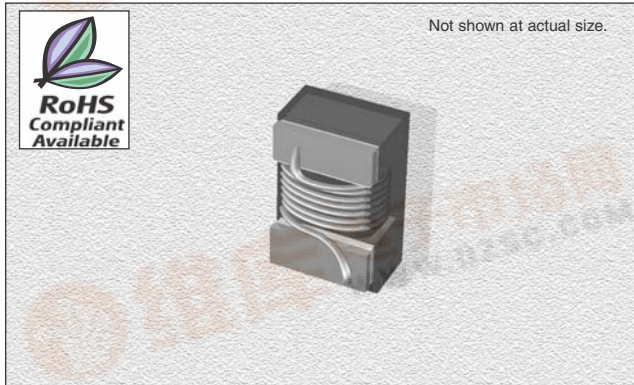


查询"CT0603LS-102J"供应商

## CT0603LS Series

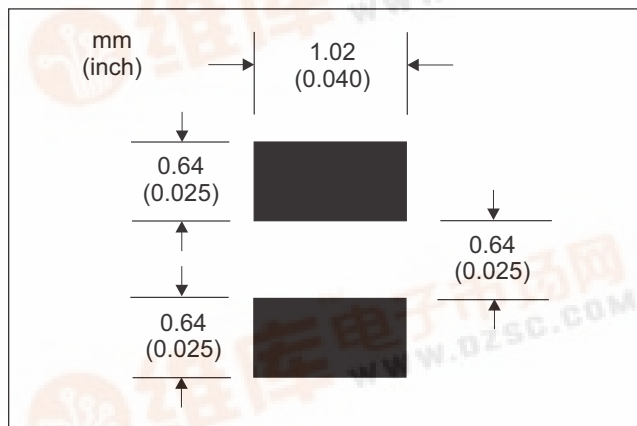
From 47 nH to 10000 nH



## 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:** -40°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, 4000 parts per reel**Miscellaneous:** RoHS Compliant available.**Marking:** Parts are marked with inductance code**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.

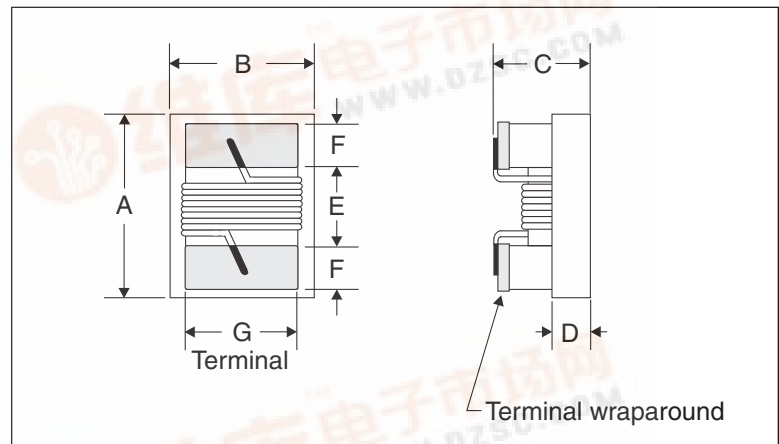
CT0603LS-471 J =  $\pm 5\%$ , K =  $\pm 10\%$ 

CT0603LSF Please specify "F" for RoHS Compliant

| Part Number   | Inductance (nH) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | IDC Max. (mA) |
|---------------|-----------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CT0603LS -47N | 47              | 7.9                | 17           | 7.9                | 1700           | 0.075                 | 1500          |
| CT0603LS -72N | 72              | 7.9                | 17           | 7.9                | 1700           | 0.12                  | 1500          |
| CT0603LS -101 | 100             | 7.9                | 17           | 7.9                | 1650           | 0.13                  | 1500          |
| CT0603LS -121 | 120             | 7.9                | 17           | 7.9                | 1400           | 0.15                  | 1500          |
| CT0603LS -151 | 150             | 7.9                | 17           | 7.9                | 1350           | 0.15                  | 1450          |
| CT0603LS -181 | 180             | 7.9                | 17           | 7.9                | 1150           | 0.15                  | 1400          |
| CT0603LS -221 | 220             | 7.9                | 17           | 7.9                | 1150           | 0.16                  | 1350          |
| CT0603LS -241 | 240             | 7.9                | 17           | 7.9                | 1050           | 0.19                  | 1300          |
| CT0603LS -271 | 270             | 7.9                | 17           | 7.9                | 1050           | 0.30                  | 1050          |
| CT0603LS -331 | 330             | 7.9                | 17           | 7.9                | 850            | 0.46                  | 1200          |
| CT0603LS -391 | 390             | 7.9                | 17           | 7.9                | 810            | 0.51                  | 1200          |
| CT0603LS -471 | 470             | 7.9                | 17           | 7.9                | 720            | 0.62                  | 1050          |
| CT0603LS -561 | 560             | 7.9                | 17           | 7.9                | 600            | 0.44                  | 850           |
| CT0603LS -681 | 680             | 7.9                | 17           | 7.9                | 600            | 0.52                  | 850           |
| CT0603LS -781 | 780             | 7.9                | 17           | 7.9                | 540            | 0.83                  | 850           |
| CT0603LS -821 | 820             | 7.9                | 17           | 7.9                | 480            | 0.69                  | 750           |
| CT0603LS -102 | 1000            | 7.9                | 18           | 7.9                | 310            | 0.81                  | 600           |
| CT0603LS -122 | 1200            | 7.9                | 17           | 7.9                | 270            | 0.87                  | 550           |
| CT0603LS -152 | 1500            | 7.9                | 17           | 7.9                | 270            | 1.06                  | 540           |
| CT0603LS -182 | 1800            | 7.9                | 17           | 7.9                | 230            | 1.10                  | 520           |
| CT0603LS -222 | 2200            | 7.9                | 17           | 7.9                | 150            | 1.20                  | 500           |
| CT0603LS -272 | 2700            | 7.9                | 17           | 7.9                | 105            | 1.50                  | 480           |
| CT0603LS -332 | 3300            | 7.9                | 17           | 7.9                | 84             | 1.50                  | 440           |
| CT0603LS -392 | 3900            | 7.9                | 17           | 7.9                | 80             | 1.60                  | 430           |
| CT0603LS -472 | 4700            | 7.9                | 18           | 7.9                | 69             | 2.10                  | 420           |
| CT0603LS -562 | 5600            | 7.9                | 18           | 7.9                | 65             | 2.60                  | 400           |
| CT0603LS -682 | 6800            | 7.9                | 19           | 7.9                | 55             | 3.10                  | 400           |
| CT0603LS -782 | 7800            | 7.9                | 17           | 7.9                | 47             | 3.50                  | 400           |
| CT0603LS -822 | 8200            | 7.9                | 17           | 7.9                | 42             | 3.60                  | 400           |
| CT0603LS -103 | 10000           | 7.9                | 19           | 7.9                | 40             | 4.80                  | 300           |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D Ref. | E     | F     | G     |
|--------|--------|--------|--------|--------|-------|-------|-------|
| mm     | 1.8    | 1.25   | 1.02   | 0.38   | 0.86  | 0.33  | 0.76  |
| inches | 0.071  | 0.049  | 0.040  | 0.015  | 0.034 | 0.013 | 0.030 |



08.08.07

Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US

949-453-1811 Outside US

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