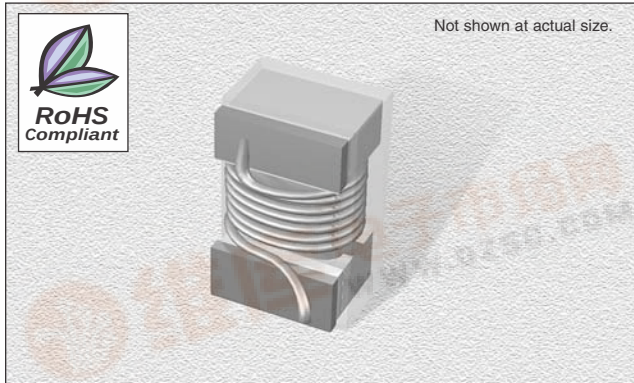


查询"CT1008HQF-12NK"供应商

## CT1008HQF Series

From 3.0  $\mu\text{H}$  to 100  $\mu\text{H}$ 

## CHARACTERISTICS

**Description:** SMD wire-wound chip inductor (High Q)**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:**  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ **Inductance Tolerance:**  $\pm 2\%$ ,  $\pm 5\%$ ,  $\pm 10\%$ **Testing:** Inductance and Q tested on an HP4287A at specified frequency.**Packaging:** Tape & Reel**Miscellaneous:** RoHS Compliant.**Marking:** Color dot**Additional Information:** Additional electrical & physical information available upon request**Samples available. See website for ordering information.**

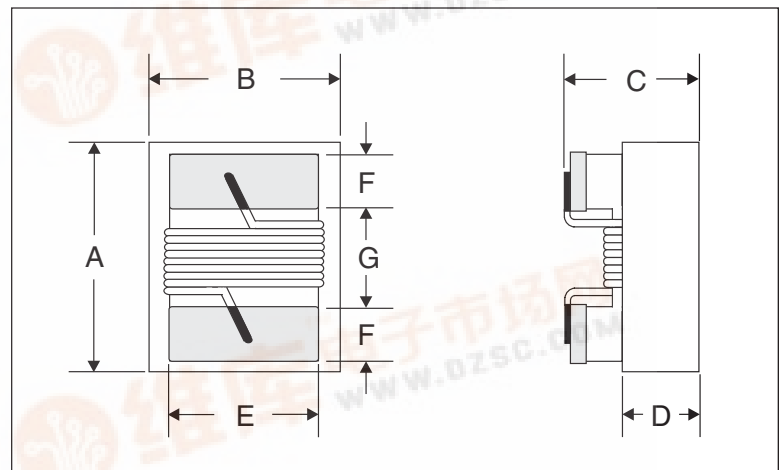
## SPECIFICATIONS

Please specify tolerance code when ordering.  
 CT1008HQF-3N0\_  $\leftarrow$  G =  $\pm 2\%$ , 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 Typ. (MHz) | DCR Max. ( $\Omega$ ) | IDC Max. (mA) |
|-----------------|-----------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CT1008HQF-3N0_* | 3.0             | 50                 | 70           | 1500               | 6000           | 0.04                  | 1600          |
| CT1008HQF-4N1_* | 4.1             | 50                 | 75           | 1500               | 6000           | 0.05                  | 1600          |
| CT1008HQF-7N8_* | 7.8             | 50                 | 75           | 500                | 3800           | 0.05                  | 1600          |
| CT1008HQF-10N_  | 10              | 50                 | 60           | 500                | 3600           | 0.06                  | 1600          |
| CT1008HQF-12N_  | 12              | 50                 | 70           | 500                | 2800           | 0.06                  | 1500          |
| CT1008HQF-18N_  | 18              | 50                 | 62           | 350                | 2700           | 0.07                  | 1400          |
| CT1008HQF-22N_  | 22              | 50                 | 62           | 350                | 2050           | 0.07                  | 1400          |
| CT1008HQF-33N_  | 33              | 50                 | 75           | 350                | 1700           | 0.09                  | 1300          |
| CT1008HQF-39N_  | 39              | 50                 | 75           | 350                | 1300           | 0.09                  | 1300          |
| CT1008HQF-47N_  | 47              | 50                 | 75           | 350                | 1450           | 0.12                  | 1200          |
| CT1008HQF-56N_  | 56              | 50                 | 75           | 350                | 1230           | 0.12                  | 1200          |
| CT1008HQF-68N_  | 68              | 50                 | 80           | 350                | 1150           | 0.13                  | 1100          |
| CT1008HQF-82N_  | 82              | 50                 | 80           | 350                | 1060           | 0.16                  | 1100          |
| CT1008HQF-R10_  | 100             | 50                 | 52           | 350                | 820            | 0.16                  | 1000          |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D Ref. | E     | F     | G     |
|--------|--------|--------|--------|--------|-------|-------|-------|
| mm     | 2.92   | 2.79   | 2.03   | 0.65   | 2.03  | 0.51  | 1.52  |
| inches | 0.115  | 0.110  | 0.080  | 0.026  | 0.080 | 0.020 | 0.060 |



## PAD LAYOUT

