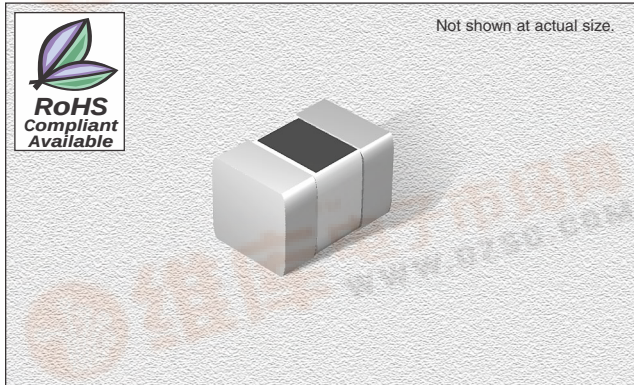


查询"CTLL2012F-FH47N"供应商

# CTLL2012FH Series

From 1.5 nH to 680 nH



## CHARACTERISTICS

**Description:** Ceramic core, multi-layer chip inductor for high frequency applications

**Applications:** Portable telephones, PMS, pagers and miscellaneous high frequency circuits

**Operating Temperature:** -40°C to +100°C

**Inductance Tolerance:**  $\pm 0.3$  nH,  $\pm 5\%$  &  $\pm 10\%$

**Testing:** Inductance and Q are tested on an HP4286A at specified frequency

**Packaging:** Tape & Reel

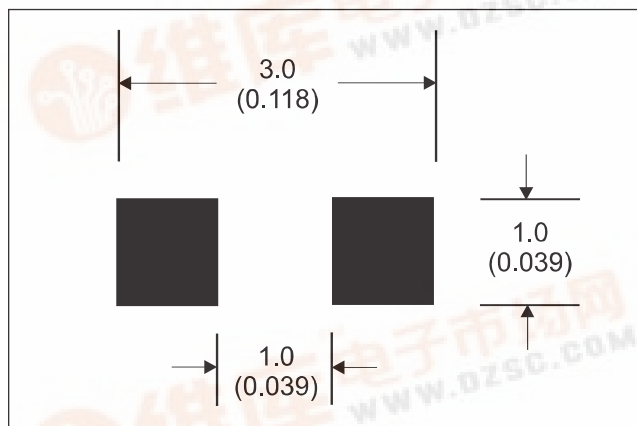
**Marking:** Reels marked with inductance code and tolerance

**Miscellaneous:** RoHS Compliant 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.  
CTLL2012\_FH3N3\_ ← S =  $\pm 0.3$  nH, J =  $\pm 5\%$ , K =  $\pm 10\%$   
\* S, K or M \*\* J, K or M

CTLL2012E Please specify "F" for RoHS Compliant

| Part Number       | Inductance (nH) | L Test Freq. (MHz) | Q Factor Typ. | Q Test Freq. (MHz) | SRF Typ. (MHz) | DCR Max. ( $\Omega$ ) | Rated DC (mA) | Height C (mm)  |
|-------------------|-----------------|--------------------|---------------|--------------------|----------------|-----------------------|---------------|----------------|
| CTLL2012_FH1N5S   | 1.5             | 100                | 50            | 800                | 7000           | .10                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH1N8S   | 1.8             | 100                | 51            | 800                | 6800           | .10                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH2N2S   | 2.2             | 100                | 61            | 800                | 5700           | .10                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH2N7S   | 2.7             | 100                | 62            | 800                | 5350           | .10                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH3N3_*  | 3.3             | 100                | 64            | 800                | 4300           | .10                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH3N9_*  | 3.9             | 100                | 59            | 800                | 4000           | .10                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH4N7_*  | 4.7             | 100                | 55            | 800                | 3600           | .12                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH5N6_*  | 5.6             | 100                | 51            | 800                | 3500           | .15                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH6N8_** | 6.8             | 100                | 58            | 800                | 3000           | .15                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH8N2_** | 8.2             | 100                | 58            | 800                | 2800           | .18                   | 300           | 0.60 $\pm$ 0.2 |
| CTLL2012_FH10N_** | 10              | 100                | 58            | 800                | 2600           | .20                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH12N_** | 12              | 100                | 61            | 800                | 2250           | .22                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH15N_** | 15              | 100                | 48            | 800                | 2250           | .24                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH18N_** | 18              | 100                | 58            | 800                | 2000           | .26                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH22N_** | 22              | 100                | 59            | 800                | 1800           | .28                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH27N_** | 27              | 100                | 54            | 800                | 1600           | .30                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH33N_** | 33              | 100                | 54            | 800                | 1400           | .40                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH39N_** | 39              | 100                | 50            | 800                | 1300           | .50                   | 300           | 0.85 $\pm$ 0.3 |
| CTLL2012_FH47N_** | 47              | 100                | 47            | 800                | 1150           | .55                   | 300           | 1.0 $\pm$ 0.3  |
| CTLL2012_FH56N_** | 56              | 100                | 45            | 800                | 1050           | .60                   | 300           | 1.0 $\pm$ 0.3  |
| CTLL2012_FH68N_** | 68              | 100                | 26            | 100                | 950            | .65                   | 300           | 1.0 $\pm$ 0.3  |
| CTLL2012_FH82N_** | 82              | 100                | 28            | 100                | 800            | .70                   | 300           | 1.0 $\pm$ 0.3  |
| CTLL2012_FHR10_** | 100             | 100                | 27            | 100                | 700            | .80                   | 300           | 1.0 $\pm$ 0.3  |
| CTLL2012_FHR12_** | 120             | 100                | 22            | 50                 | 650            | .85                   | 250           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR15_** | 150             | 100                | 21            | 50                 | 550            | .90                   | 250           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR18_** | 180             | 100                | 22            | 50                 | 500            | 1.0                   | 250           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR22_** | 220             | 100                | 22            | 50                 | 450            | 1.2                   | 200           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR27_** | 270             | 100                | 14            | 25                 | 350            | 1.3                   | 200           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR33_** | 330             | 100                | 14            | 25                 | 350            | 1.5                   | 150           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR39_** | 390             | 100                | 15            | 25                 | 300            | 1.8                   | 150           | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR47_** | 470             | 100                | 14            | 25                 | 260            | 4.5                   | 50            | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR56_** | 560             | 100                | 15            | 25                 | 230            | 4.5                   | 50            | 1.2 $\pm$ 0.3  |
| CTLL2012_FHR68_** | 680             | 100                | 14            | 25                 | 180            | 5.5                   | 50            | 1.2 $\pm$ 0.3  |

## PHYSICAL DIMENSIONS

| Size   | A                | B                | C            | D               |
|--------|------------------|------------------|--------------|-----------------|
| mm     | 2.0 $\pm$ 0.2    | 1.25 $\pm$ 0.2   | See ordering | 0.51 $\pm$ 0.25 |
| inches | 0.08 $\pm$ 0.008 | 0.05 $\pm$ 0.008 | info         | 0.02 $\pm$ 0.01 |

04.11.05

Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids

800-684-5322 Inside US

949-453-1811 Outside US

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