

CTTF0402F Series

From 0.2nH to 33nH



SPECIFICATIONS

Please specify tolerance code when ordering.
 CTTF0402F-0N2_** ← B = ±0.1nH, C = ±0.2nH, S = ±0.3nH, F = ±1%, G = ±2%
 H = ±3%, J = 5%
 * = F, G, H or J only
 ** = B, C, or S only

| Part Number | Inductance (nH) | L Test Freq. (MHz) | Q Min. | Q Test Freq. (MHz) | DCR Max. (Ω) | Rated DC Max. (mA) | SRF Min. (GHz) |
|------------------|-----------------|--------------------|--------|--------------------|--------------|--------------------|----------------|
| CTTF0402F-0N2_** | 0.2 | 500 | 13 | 500 | 0.1 | 800 | 6 |
| CTTF0402F-0N4_** | 0.4 | 500 | 13 | 500 | 0.1 | 800 | 6 |
| CTTF0402F-0N8_** | 0.8 | 500 | 13 | 500 | 0.1 | 700 | 6 |
| CTTF0402F-1N0_** | 1.0 | 500 | 13 | 500 | 0.1 | 700 | 6 |
| CTTF0402F-1N2_** | 1.2 | 500 | 13 | 500 | 0.1 | 700 | 6 |
| CTTF0402F-1N5_** | 1.5 | 500 | 13 | 500 | 0.2 | 700 | 6 |
| CTTF0402F-1N6_** | 1.6 | 500 | 13 | 500 | 0.2 | 560 | 6 |
| CTTF0402F-1N8_** | 1.8 | 500 | 13 | 500 | 0.2 | 560 | 6 |
| CTTF0402F-2N0_** | 2.0 | 500 | 13 | 500 | 0.3 | 560 | 6 |
| CTTF0402F-2N2_** | 2.2 | 500 | 13 | 500 | 0.3 | 440 | 6 |
| CTTF0402F-2N5_** | 2.5 | 500 | 13 | 500 | 0.35 | 440 | 6 |
| CTTF0402F-2N7_** | 2.7 | 500 | 13 | 500 | 0.3 | 440 | 6 |
| CTTF0402F-3N0_** | 3.0 | 500 | 13 | 500 | 0.45 | 380 | 6 |
| CTTF0402F-3N1_** | 3.1 | 500 | 13 | 500 | 0.4 | 380 | 6 |
| CTTF0402F-3N3_** | 3.3 | 500 | 13 | 500 | 0.4 | 380 | 6 |
| CTTF0402F-3N6_** | 3.6 | 500 | 13 | 500 | 0.4 | 380 | 6 |
| CTTF0402F-3N8_** | 3.8 | 500 | 13 | 500 | 0.55 | 340 | 6 |
| CTTF0402F-3N9_** | 3.9 | 500 | 13 | 500 | 0.5 | 340 | 6 |
| CTTF0402F-4N7_** | 4.7 | 500 | 13 | 500 | 0.6 | 320 | 6 |
| CTTF0402F-5N6_** | 5.6 | 500 | 13 | 500 | 0.7 | 280 | 6 |
| CTTF0402F-5N9_** | 5.9 | 500 | 13 | 500 | 0.7 | 280 | 6 |
| CTTF0402F-6N8_** | 6.8 | 500 | 13 | 500 | 0.9 | 260 | 6 |
| CTTF0402F-7N2_** | 7.2 | 500 | 13 | 500 | 0.9 | 260 | 6 |
| CTTF0402F-8N0_** | 8.0 | 500 | 13 | 500 | 1.1 | 220 | 5.5 |
| CTTF0402F-8N2_** | 8.2 | 500 | 13 | 500 | 1.1 | 220 | 5.5 |
| CTTF0402F-9N1_** | 9.1 | 500 | 13 | 500 | 1.1 | 220 | 5.5 |
| CTTF0402F-10N_* | 10 | 500 | 13 | 500 | 1.3 | 200 | 4.5 |
| CTTF0402F-12N_* | 12 | 500 | 13 | 500 | 1.6 | 180 | 3.7 |
| CTTF0402F-13N8_* | 13.8 | 500 | 13 | 500 | 1.6 | 180 | 3.7 |
| CTTF0402F-15N_* | 15 | 500 | 13 | 500 | 1.8 | 130 | 3.3 |
| CTTF0402F-17N_* | 17 | 500 | 13 | 500 | 2.0 | 100 | 3.1 |
| CTTF0402F-18N_* | 18 | 500 | 13 | 500 | 2.0 | 100 | 3.1 |
| CTTF0402F-20N8_* | 20.8 | 500 | 13 | 500 | 2.6 | 90 | 2.8 |
| CTTF0402F-22N_* | 22 | 500 | 13 | 500 | 2.6 | 90 | 2.8 |
| CTTF0402F-27N_* | 27 | 500 | 13 | 500 | 2.5 | 75 | 3.25 |
| CTTF0402F-33N_* | 33 | 500 | 13 | 500 | 2.5 | 75 | 3.75 |

CHARACTERISTICS

Description: SMD thin film chip inductors
Applications: Cellular telephone, pagers, GPS products, wireless LAN, and other communication appliances, VCO, TCXO, circuit and RF transceiver module
Operating Temperature: -40°C to +85°C
Inductance Tolerance: ±0.1nH, ±0.2nH & ±2%
Testing: Tested on a HP4287A at 500MHz
Packaging: Tape & Reel
Miscellaneous: **RoHS Compliant.**
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.

PHYSICAL DIMENSIONS

| Size | A | B | C | D |
|--------|------------|------------|------------|-------------|
| mm | 1.0±0.05 | 0.5±0.05 | 0.35±0.05 | 0.2±0.1 |
| inches | 0.04±0.002 | 0.02±0.002 | 0.01±0.002 | 0.008±0.004 |

