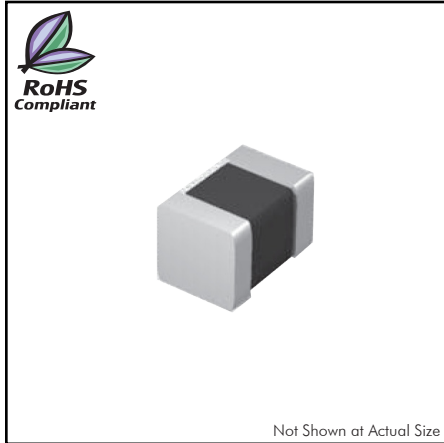


CTLC0603F Series

From 1.0nH to 220nH



SPECIFICATIONS

CTLC0603F-1N0_* ← C = ±0.2nH, S = ±0.3nH, G = ±2%, J = ±5%
 *C or S only **C or J only ***G or J only

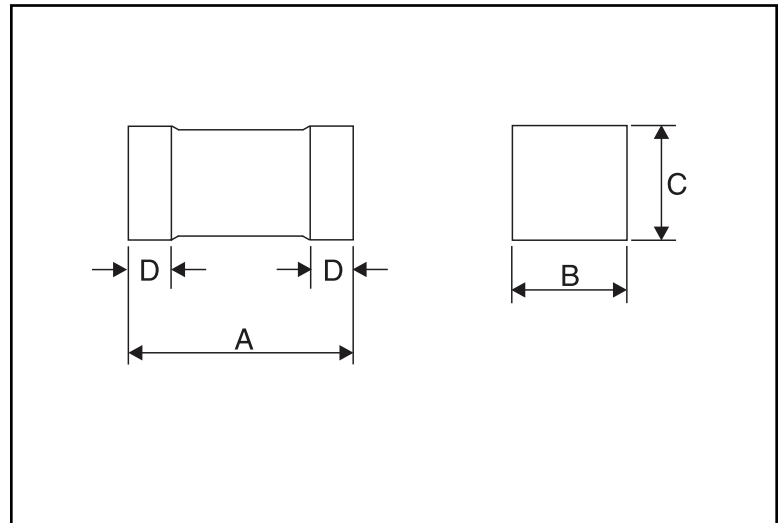
| Part Number | Inductance (nH) | Test Freq. (MHz) | Q @100MHz | Q @800MHz | SRF Typ. (MHz) | DCR Max. (mΩ) | Rated DC Max. (mA) |
|-------------------|-----------------|------------------|-----------|-----------|----------------|---------------|--------------------|
| CTLC0603F-1N0_* | 1.0 | 100 | 7 | 60 | 16000 | 20 | 1800 |
| CTLC0603F-1N2_* | 1.2 | 100 | 8 | 60 | 15000 | 25 | 1800 |
| CTLC0603F-1N5_* | 1.5 | 100 | 8 | 50 | 13000 | 30 | 1500 |
| CTLC0603F-1N8_* | 1.8 | 100 | 12 | 50 | 12000 | 33 | 1500 |
| CTLC0603F-2N2_* | 2.2 | 100 | 14 | 50 | 10000 | 35 | 1500 |
| CTLC0603F-2N7_* | 2.7 | 100 | 14 | 40 | 10000 | 40 | 1400 |
| CTLC0603F-3N3_* | 3.3 | 100 | 14 | 40 | 9000 | 60 | 1200 |
| CTLC0603F-3N9_** | 3.9 | 100 | 14 | 40 | 8000 | 65 | 1100 |
| CTLC0603F-4N7_** | 4.7 | 100 | 14 | 40 | 7000 | 100 | 800 |
| CTLC0603F-5N6_** | 5.6 | 100 | 14 | 40 | 6000 | 150 | 700 |
| CTLC0603F-6N8_** | 6.8 | 100 | 14 | 40 | 6000 | 150 | 700 |
| CTLC0603F-8N2_** | 8.2 | 100 | 14 | 40 | 6000 | 180 | 650 |
| CTLC0603F-10N_*** | 10.0 | 100 | 14 | 40 | 5000 | 200 | 600 |
| CTLC0603F-12N_*** | 12.0 | 100 | 14 | 40 | 5000 | 350 | 450 |
| CTLC0603F-15N_*** | 15.0 | 100 | 14 | 40 | 4500 | 400 | 420 |
| CTLC0603F-18N_*** | 18.0 | 100 | 14 | 40 | 4000 | 450 | 400 |
| CTLC0603F-22N_*** | 22.0 | 100 | 14 | 40 | 4000 | 500 | 360 |
| CTLC0603F-27N_*** | 27.0 | 100 | 14 | 35 | 3000 | 550 | 350 |
| CTLC0603F-33N_*** | 33.0 | 100 | 14 | 35 | 3000 | 600 | 300 |
| CTLC0603F-39N_*** | 39.0 | 100 | 14 | 35 | 2000 | 800 | 270 |
| CTLC0603F-47N_*** | 47.0 | 100 | 14 | 35 | 2500 | 950 | 250 |
| CTLC0603F-56N_*** | 56.0 | 100 | 14 | 35 | 2500 | 1200 | 230 |
| CTLC0603F-68N_*** | 68.0 | 100 | 14 | 35 | 2000 | 1300 | 220 |
| CTLC0603F-82N_*** | 82.0 | 100 | 14 | 35 | 2000 | 1500 | 200 |
| CTLC0603F-R10_*** | 100.0 | 100 | 14 | 30 | 1800 | 1800 | 160 |
| CTLC0603F-R12_*** | 120.0 | 25.2 | 5 | 30 | 1800 | 3000 | 130 |
| CTLC0603F-R15_*** | 150.0 | 25.2 | 5 | 30 | 1600 | 5000 | 120 |
| CTLC0603F-R18_*** | 180.0 | 25.2 | 4 | 25 | 1400 | 6000 | 110 |
| CTLC0603F-R22_*** | 220.0 | 25.2 | 4 | 25 | 1300 | 7000 | 110 |

CHARACTERISTICS

- Description:** SMD laser cut inductors
- Applications:** Computer products, hard disks, floppy disks, etc. Communication products, cordless phones, etc. Modems, OA products, TV sets, etc. Countermeasures for complying with CE, FCC, VDE, , or VCCI radiated emissions
- Operating Temperature:** -40°C to +125°C
- Inductance Tolerances:** ±0.2nH, ±0.3nH, ±2%, ±5%
- Testing:** Tested on a HP4287A at specified frequency
- 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 | 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.3±0.2 |
| inches | 0.06±0.006 | 0.03±0.006 | 0.03±0.006 | 0.012±0.008 |



PAD LAYOUT

