

CTSR0604F Series

From 1.5 μH to 1000 μH



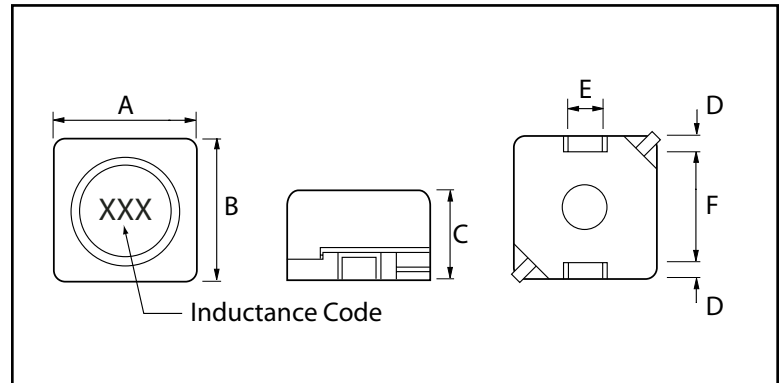
SPECIFICATIONS

Part number indicates inductance tolerance available.
K = $\pm 10\%$, M = $\pm 20\%$

| Part Number | Inductance (μH) | L Test Freq. (KHz) | DCR Max. (Ω) | IDC Max. (A) |
|----------------|------------------------------|--------------------|-----------------------|--------------|
| CTSR0604F-1R5M | 1.5 | 1.0 | 0.028 | 2.80 |
| CTSR0604F-2R5M | 2.5 | 1.0 | 0.035 | 2.50 |
| CTSR0604F-3R3M | 3.3 | 1.0 | 0.050 | 2.30 |
| CTSR0604F-4R7M | 4.7 | 1.0 | 0.060 | 2.00 |
| CTSR0604F-6R8M | 6.8 | 1.0 | 0.070 | 1.60 |
| CTSR0604F-100M | 10.0 | 1.0 | 0.120 | 1.30 |
| CTSR0604F-150M | 15.0 | 1.0 | 0.130 | 1.10 |
| CTSR0604F-220M | 22.0 | 1.0 | 0.190 | 0.90 |
| CTSR0604F-330K | 33.0 | 1.0 | 0.250 | 0.70 |
| CTSR0604F-470K | 47.0 | 1.0 | 0.360 | 0.60 |
| CTSR0604F-680K | 68.0 | 1.0 | 0.520 | 0.50 |
| CTSR0604F-101K | 100.0 | 1.0 | 0.650 | 0.40 |
| CTSR0604F-151K | 150.0 | 1.0 | 1.000 | 0.30 |
| CTSR0604F-221K | 220.0 | 1.0 | 1.700 | 0.25 |
| CTSR0604F-331K | 330.0 | 1.0 | 2.100 | 0.20 |
| CTSR0604F-471K | 470.0 | 1.0 | 3.300 | 0.18 |
| CTSR0604F-681K | 680.0 | 1.0 | 4.800 | 0.15 |
| CTSR0604F-102K | 1000.0 | 1.0 | 6.100 | 0.12 |

PHYSICAL DIMENSIONS

| Size | A | B | C | D | E | F Typ. |
|--------|------------------|------------------|------------------|--------------------|-------------------|--------|
| mm | 6.5 \pm 0.3 | 6.5 \pm 0.3 | 4.6 \pm 0.3 | 0.8+0.2,-0.3 | 1.6 \pm 0.2 | 5.0 |
| inches | 0.25 \pm 0.012 | 0.25 \pm 0.012 | 0.18 \pm 0.012 | 0.031+0.008,-0.012 | 0.063 \pm 0.008 | 0.20 |



CHARACTERISTICS

- Description:** SMD (shielded) power inductor.
- Applications:** Power supplies for Portable Communication Equipment, Camcorders, LCD TVs, Car Radios, Input/output of DC/DC converters, etc.
- Operating Temperature:** -40°C to +105°C
- Temp. Rise:** 40°C Max.
- Rated Current:** Based on Temp. Rise & $\Delta L/L_0A = 10\%$ Max.
- Resistance to Solder Heat:** 260°C for 10 Sec.
- Inductance Tolerance:** $\pm 10\%$, $\pm 20\%$
- Testing:** Inductance is tested on an HP4284A at 1.0KHz
- Packaging:** Parts are marked with inductance code.
- Marking:** Tape & Reel.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

PAD LAYOUT

