

CTMPC080604F Series

From 0.24 μH to 2.2 μH



CHARACTERISTICS

- Description:** SMD Shielded Molded Power Inductor
- Applications:** Smartphone, Tablet PC, Hard Disk for Ultrabook, LTE Module, Portable Devices, etc.
- Operating Temperature:** -40°C to 125°C (including self-temperature rise)
- Inductance Tolerance:** $\pm 20\%$
- Testing:** Inductance is tested on an E4991/HP4287A+16197A, 2MHz, 0.2V.
- Packaging:** Tape and Reel.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

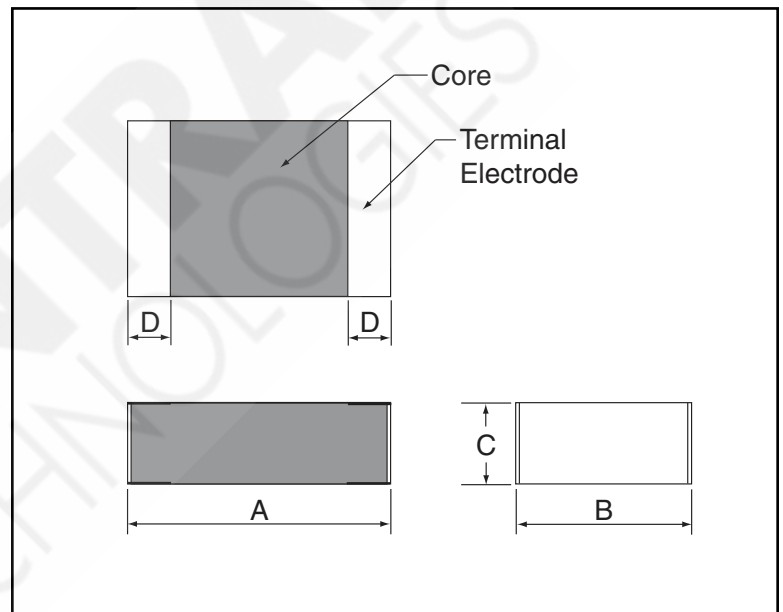
SPECIFICATIONS

Isat: DC current (A) that will cause L to drop approximately 30%.
 Irms: DC current (A) that will cause an approximate ΔT of 40°C.

| Part Number | Inductance (μH) | L Test Freq. (MHz) | DCR Max. ($\text{m}\Omega$) | Isat Max. (A) | Irms Max. (A) |
|-------------------|------------------------------|--------------------|-------------------------------|---------------|---------------|
| CTMPC080604F-R24M | 0.24 | 2.0 | 40 | 4.2 | 4.0 |
| CTMPC080604F-R33M | 0.33 | 2.0 | 48 | 4.0 | 3.5 |
| CTMPC080604F-R47M | 0.47 | 2.0 | 54 | 3.2 | 3.0 |
| CTMPC080604F-R56M | 0.56 | 2.0 | 59 | 2.8 | 2.8 |
| CTMPC080604F-R68M | 0.68 | 2.0 | 72 | 2.7 | 2.4 |
| CTMPC080604F-1R0M | 1.0 | 2.0 | 96 | 2.2 | 2.0 |
| CTMPC080604F-1R5M | 1.5 | 2.0 | 150 | 2.1 | 1.6 |
| CTMPC080604F-2R2M | 2.2 | 2.0 | 204 | 2.0 | 1.3 |

PHYSICAL DIMENSIONS

| Size | A | B | C Max. | D |
|--------|-------------------|-------------------|-----------|-------------------|
| mm | 2.0 \pm 0.2 | 1.6 \pm 0.2 | 1.0 | 0.5 \pm 0.3 |
| inches | 0.078 \pm 0.008 | 0.063 \pm 0.008 | 0.039 | 0.020 \pm 0.012 |



PAD LAYOUT

