

# CTMPC080604F Series

From 0.24  $\mu\text{H}$  to 2.2  $\mu\text{H}$



## 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.**

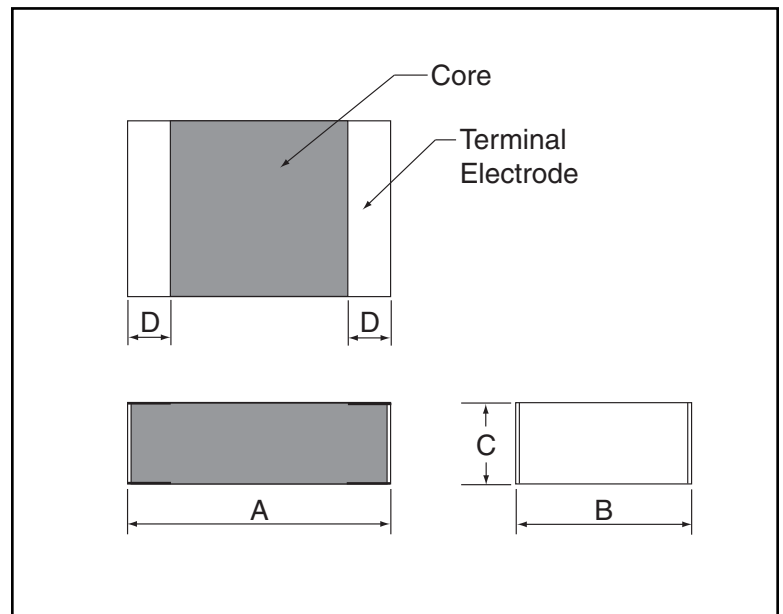
## SPECIFICATIONS

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

Part Number	Inductance ( $\mu\text{H}$ )	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

