

CTMPC100804F 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 E4991A/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.**

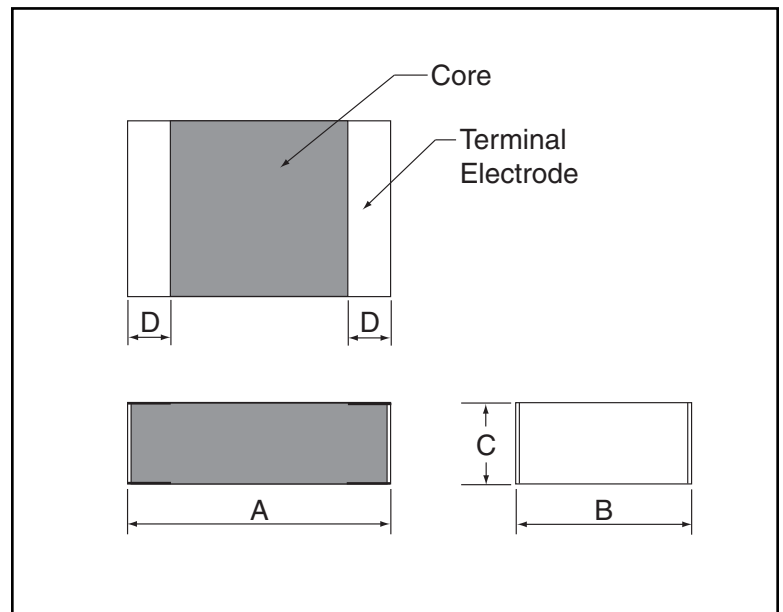
SPECIFICATIONS

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. (m Ω)	Isat Max. (A)	Irms Max. (A)
CTMPC100804F-R24M	0.24	2.0	40	7.5	4.5
CTMPC100804F-R47M	0.47	2.0	46	5.2	3.1
CTMPC100804F-R68M	0.68	2.0	65	3.8	2.9
CTMPC100804F-1R0M	1.0	2.0	78	3.4	2.5
CTMPC100804F-1R5M	1.5	2.0	105	3.2	2.2
CTMPC100804F-2R2M	2.2	2.0	156	2.6	1.4

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.5 \pm 0.2	2.0 \pm 0.2	1.0	0.6 \pm 0.2
inches	0.098 \pm 0.008	0.079 \pm 0.008	0.039	0.024 \pm 0.008



PAD LAYOUT

