

CTMPC100805F Series

From 0.33 μH to 2.2 μH

SPECIFICATIONS

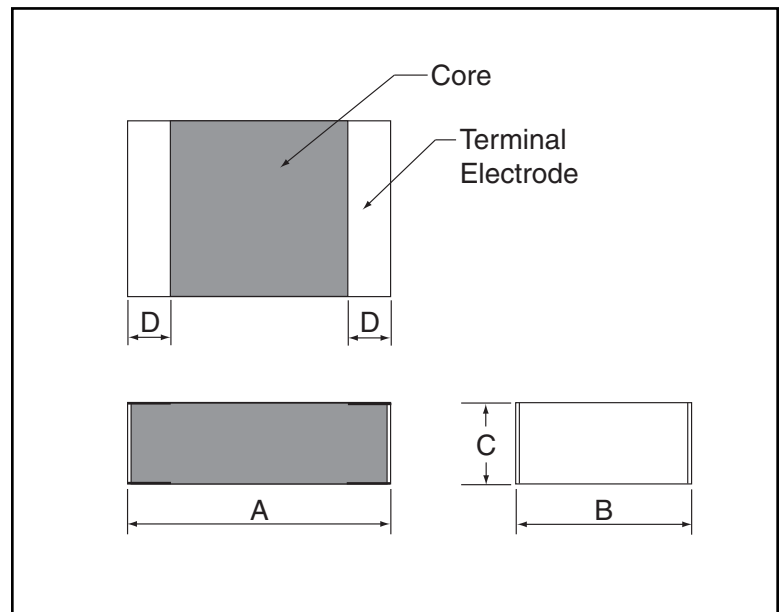
Isat: DC current (A) that will cause L to drop approximately 30%.
 Irms: DC current (A) that will cause an approximate ΔT of 40°C.

Part Number	Inductance (μH)	L Test Freq. (MHz)	DCR Max. ($\text{m}\Omega$)	Isat Max. (A)	Irms Max. (A)
CTMPC100805F-R33M	0.33	2.0	35	6.8	4.0
CTMPC100805F-R47M	0.47	2.0	39	6.2	3.7
CTMPC100805F-R68M	0.68	2.0	46	5.5	3.3
CTMPC100805F-1R0M	1.0	2.0	59	4.0	3.0
CTMPC100805F-1R5M	1.5	2.0	70	3.4	2.5
CTMPC100805F-2R2M	2.2	2.0	115	3.3	2.0



PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.5 \pm 0.2	2.0 \pm 0.2	1.2	0.6 \pm 0.2
inches	0.098 \pm 0.008	0.079 \pm 0.008	0.047	0.024 \pm 0.008



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.**

PAD LAYOUT

