

# CTMPC080605F Series

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

## SPECIFICATIONS

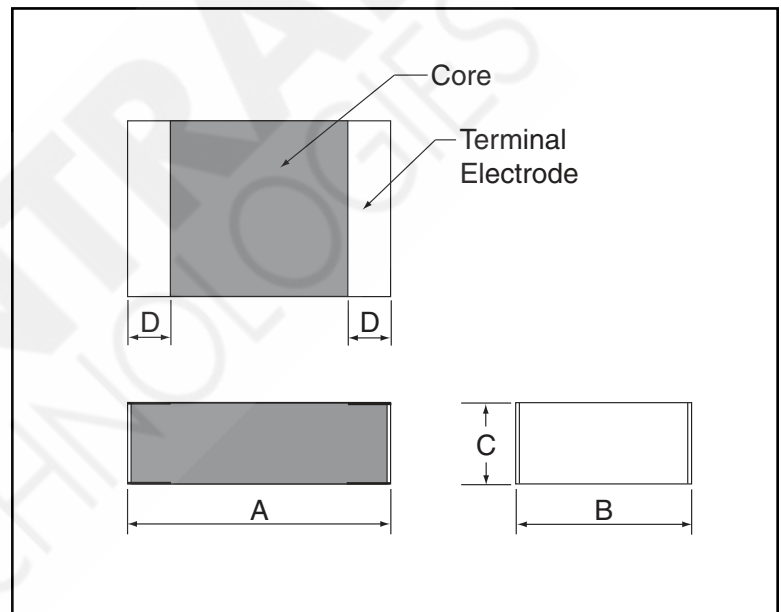
Isat: DC current (A) that will cause L to drop approximately 30%.  
 Irms: DC current (A) that will cause an approximate  $\Delta T$  of 40°C.

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	DCR Max. (m $\Omega$ )	Isat Max. (A)	Irms Max. (A)
CTMPC080605F-R24M	0.24	2.0	35	5.5	4.2
CTMPC080605F-R47M	0.47	2.0	52	3.8	3.2
CTMPC080605F-R68M	0.68	2.0	70	3.3	2.6
CTMPC080605F-1R0M	1.0	2.0	82	3.1	2.3
CTMPC080605F-1R5M	1.5	2.0	120	2.6	2.2
CTMPC080605F-2R2M	2.2	2.0	195	2.0	1.3



## PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	2.0 ± 0.2	1.6 ± 0.2	1.2	0.5 ± 0.3
inches	0.078 ± 0.008	0.063 ± 0.008	0.047	0.020 ± 0.012



## 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

