

# CTMPH100805F Series

From 0.24 $\mu$ H to 2.2 $\mu$ H



## CHARACTERISTICS

**Description:** SMD Molded Magnetically Shielded Inductors  
**Applications:** Smartphone, Tablet PC, Hard Disk for Ultrabook, DC/DC Converters, 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.**

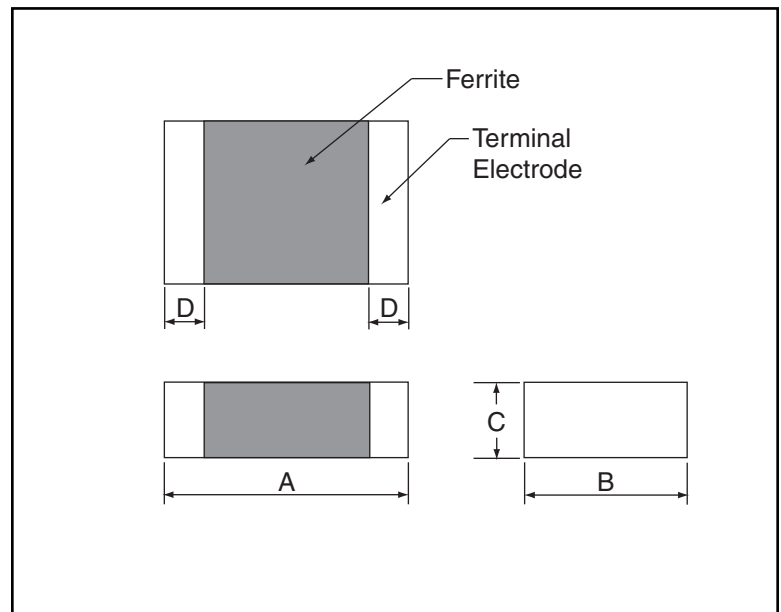
## SPECIFICATIONS

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

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	DCR Max.(Typ.) (m $\Omega$ )	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPH100805F-R24M	0.24	2.0	15(11.5)	9.0(10.5)	6.2(7.3)
CTMPH100805F-R33M	0.33	2.0	18(14.5)	8.5(10)	5.8(6.4)
CTMPH100805F-R47M	0.47	2.0	33(28)	5.6(7.0)	3.8(4.5)
CTMPH100805F-R68M	0.68	2.0	36(30)	5.0(6.2)	3.8(4.4)
CTMPH100805F-1R0M	1.0	2.0	42(35)	4.4(5.5)	3.6(4.1)
CTMPH100805F-1R5M	1.5	2.0	65(57)	3.4(4.2)	2.7(3.1)
CTMPH100805F-2R2M	2.2	2.0	83(74)	3.0(3.7)	2.5(2.9)

## PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.5 $\pm$ 0.3	2.0 $\pm$ 0.3	1.2	0.6 $\pm$ 0.3
inches	0.098 $\pm$ 0.012	0.079 $\pm$ 0.012	0.047	0.024 $\pm$ 0.012



## PAD LAYOUT

