

# CTMPH121010F

## Series

From 1.0 $\mu$ H to 2.2 $\mu$ H

### SPECIFICATIONS

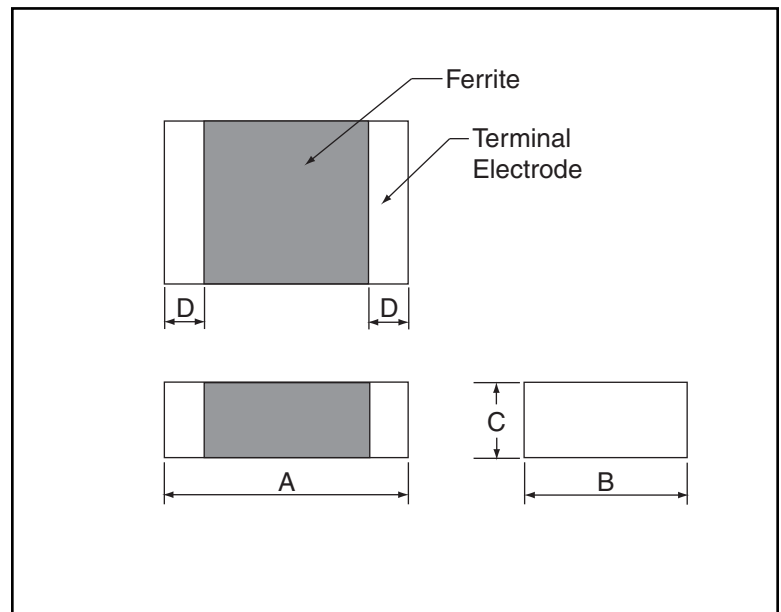
Isat: DC current (A) that will cause L to drop approximately 30%.  
 Irms: DC current (A) that will cause an approximate  $\Delta T$  of 40°C.

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	DCR Max.(Typ.) (m $\Omega$ )	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPH121010F-1R0M	1.0	2.0	34(28)	6.0(8.0)	3.5(4.3)
CTMPH121010F-1R5M	1.5	2.0	45(35)	5.5(7.5)	3.2(3.9)
CTMPH121010F-2R2M	2.2	2.0	60(49)	4.8(6.5)	3.0(3.3)



### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	3.2 $\pm$ 0.3	2.5 $\pm$ 0.3	2.5 $\pm$ 0.3	0.5 $\pm$ 0.3
inches	0.126 $\pm$ 0.012	0.098 $\pm$ 0.012	0.098 $\pm$ 0.012	0.020 $\pm$ 0.012



### 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.**

### PAD LAYOUT

