

# CTMPH121005F

## Series

From 0.47  $\mu\text{H}$  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.(Typ.) (m $\Omega$ )	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPH121005F-R47M	0.47	2.0	25(19)	7.0(8.2)	4.6(5.2)
CTMPH121005F-1R0M	1.0	2.0	34(27.5)	5.7(6.5)	3.7(4.2)
CTMPH121005F-1R5M	1.5	2.0	59(51)	4.0(4.6)	2.8(3.2)
CTMPH121005F-2R2M	2.2	2.0	73(64)	3.5(4.0)	2.7(3.0)

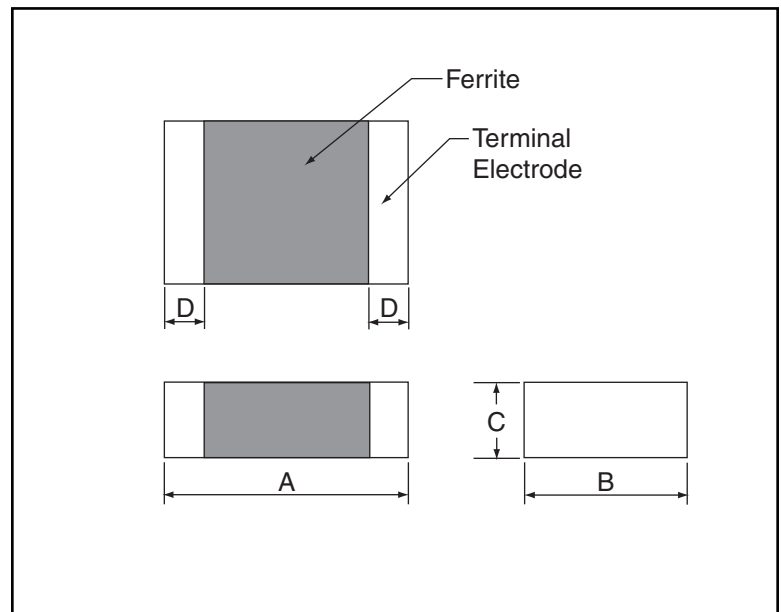


### CHARACTERISTICS

**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.**

### PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	3.2 $\pm$ 0.3	2.5 $\pm$ 0.3	1.2	0.5 $\pm$ 0.3
inches	0.126 $\pm$ 0.012	0.098 $\pm$ 0.012	0.047	0.020 $\pm$ 0.012



### PAD LAYOUT

