

# CTMPH080504F Series

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

## SPECIFICATIONS

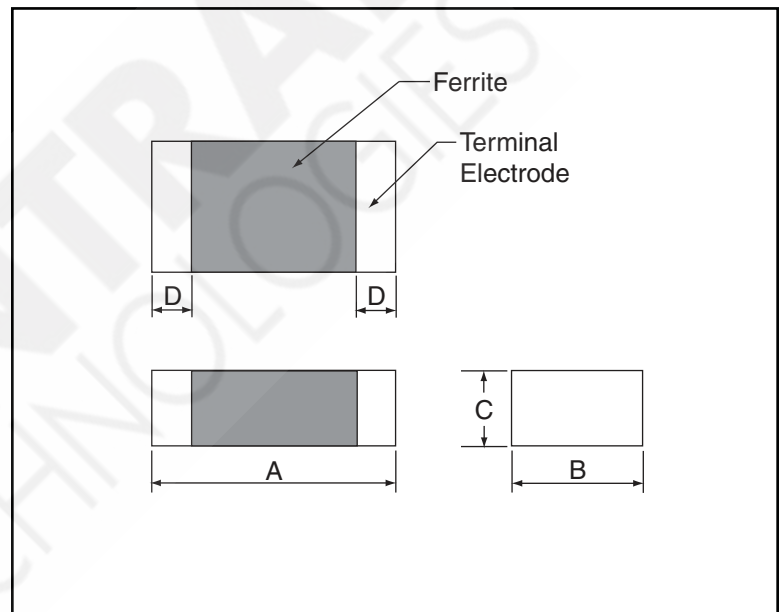
Isat: DC current (A) that will cause L to drop approximately 30%.  
 Irms: DC current (A) that will cause an approximate  $\Delta T$  of 40°C.

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	DCR Max.(Typ.) (m $\Omega$ )	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPH080504F-R24M	0.24	2.0	28(22)	4.5(5.7)	3.7(4.6)
CTMPH080504F-R33M	0.33	2.0	30(25)	4.5(4.8)	3.7(4.3)
CTMPH080504F-R47M	0.47	2.0	42(33)	3.3(4.2)	3.0(3.7)
CTMPH080504F-1R0M	1.0	2.0	78(69)	2.3(2.8)	2.2(2.7)
CTMPH080504F-1R5M	1.5	2.0	112(94)	1.9(2.3)	1.8(2.2)
CTMPH080504F-2R2M	2.2	2.0	176(166)	1.6(1.7)	1.4(1.5)



## PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	2.0 $\pm$ 0.2	1.25 $\pm$ 0.2	1.0	0.5 $\pm$ 0.3
inches	0.079 $\pm$ 0.008	0.049 $\pm$ 0.008	0.039	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

