

CTMPH080503F Series From 0.24 μH to 0.47 μH

SPECIFICATIONS

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

Part Number	Inductance (μH)	L Test Freq. (MHz)	DCR Max.(Typ.) (m Ω)	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPH080503F-R24M	0.24	2.0	25(19)	4.8(5.4)	4.2(4.8)
CTMPH080503F-R47M	0.47	2.0	48(40)	3.2(3.6)	3.0(3.4)



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.

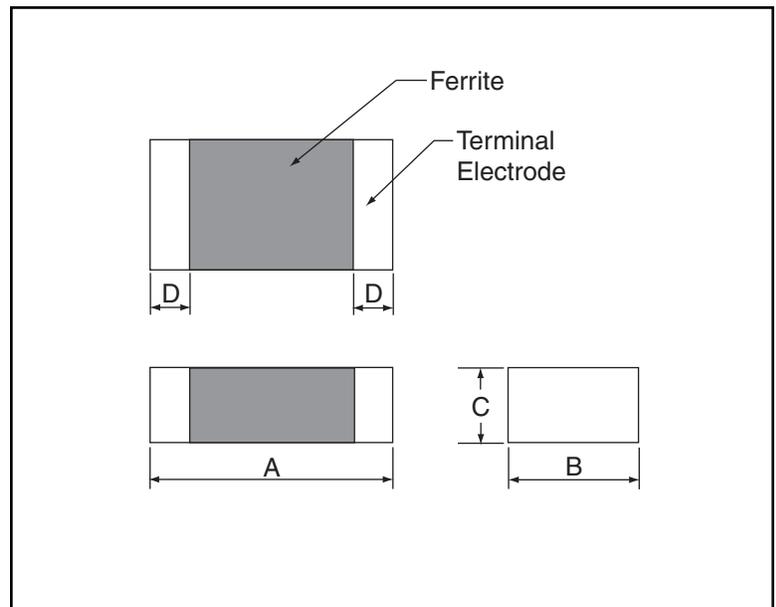
Miscellaneous: **RoHS Compliant.**

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	2.0 \pm 0.2	1.25 \pm 0.2	0.8	0.5 \pm 0.3
inches	0.079 \pm 0.008	0.049 \pm 0.008	0.031	0.020 \pm 0.012



PAD LAYOUT

