

CTMPH080504F Series

From 0.24 μH to 2.2 μH



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.

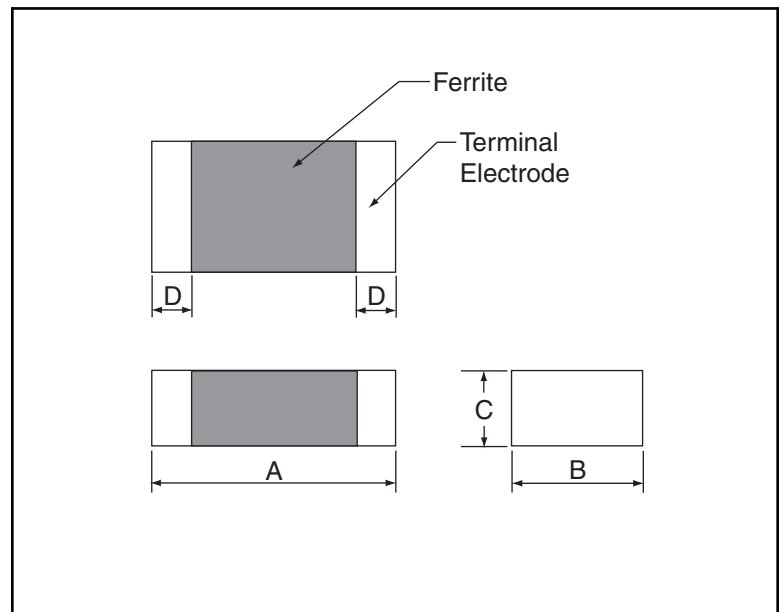
SPECIFICATIONS

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



PAD LAYOUT

