

CTMPH080604F 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.

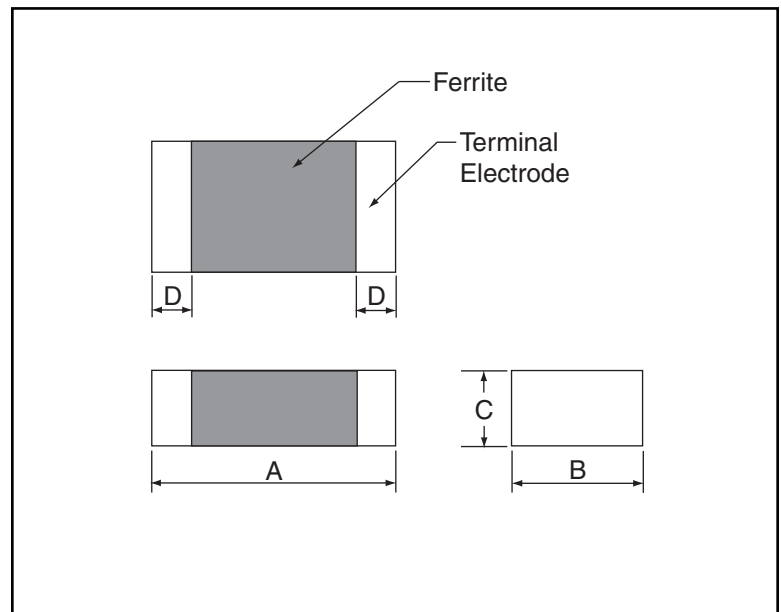
SPECIFICATIONS

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)
CTMPH080604F-R24M	0.24	2.0	27(21)	5.6(7.0)	3.9(4.8)
CTMPH080604F-R47M	0.47	2.0	42(33)	3.9(4.8)	3.5(4.2)
CTMPH080604F-R68M	0.68	2.0	56(43)	3.2(4.0)	2.7(3.4)
CTMPH080604F-1R0M	1.0	2.0	65(53)	2.9(3.6)	2.5(3.1)
CTMPH080604F-1R5M	1.5	2.0	85(75)	2.5(2.8)	2.3(2.7)
CTMPH080604F-2R2M	2.2	2.0	135(112)	2.4(2.7)	1.8(2.2)

PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	2.0 \pm 0.2	1.6 \pm 0.2	1.0	0.5 \pm 0.3
inches	0.079 \pm 0.008	0.063 \pm 0.008	0.039	0.020 \pm 0.012



PAD LAYOUT

