

CTMPH100804F 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.

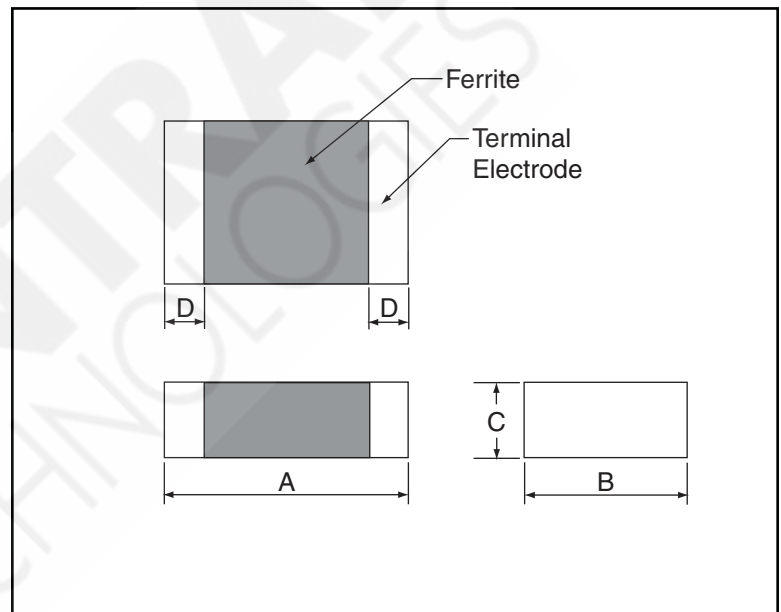
SPECIFICATIONS

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)
CTMPH100804F-R24M	0.24	2.0	18(13)	8.0(9.5)	5.5(6.5)
CTMPH100804F-R33M	0.33	2.0	24(18)	6.5(8.0)	4.8(5.5)
CTMPH100804F-R47M	0.47	2.0	35(27)	5.0(6.2)	3.9(4.5)
CTMPH100804F-R68M	0.68	2.0	40(32)	4.5(5.6)	3.7(4.2)
CTMPH100804F-1R0M	1.0	2.0	53(45)	3.7(4.6)	3.0(3.5)
CTMPH100804F-1R5M	1.5	2.0	75(68)	3.1(3.8)	2.4(2.8)
CTMPH100804F-2R2M	2.2	2.0	97(87)	2.5(3.0)	2.2(2.5)

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	2.5 \pm 0.3	2.0 \pm 0.3	1.0	0.6 \pm 0.3
inches	0.098 \pm 0.012	0.079 \pm 0.012	0.039	0.024 \pm 0.012



PAD LAYOUT

