

CTMPH100805F Series

From 0.24 μH to 4.7 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.

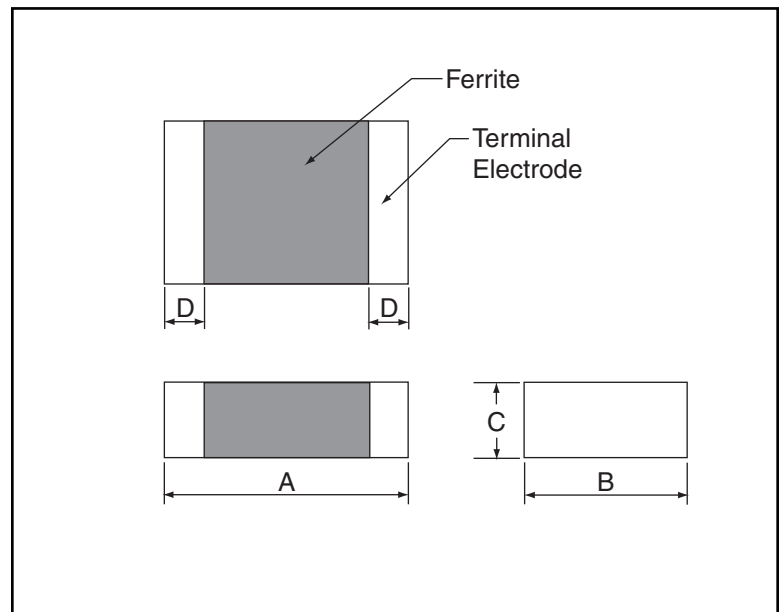
SPECIFICATIONS

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)
CTMPH100805F-R24M	0.24	2.0	15(11.5)	9.0(10.5)	6.2(7.3)
CTMPH100805F-R33M	0.33	2.0	18(14.5)	8.5(10)	5.8(6.4)
CTMPH100805F-R47M	0.47	2.0	33(28)	5.6(7.0)	3.8(4.5)
CTMPH100805F-R68M	0.68	2.0	36(30)	5.0(6.2)	3.8(4.4)
CTMPH100805F-1R0M	1.0	2.0	42(35)	4.4(5.5)	3.6(4.1)
CTMPH100805F-1R5M	1.5	2.0	65(57)	3.4(4.2)	2.7(3.1)
CTMPH100805F-2R2M	2.2	2.0	83(74)	3.0(3.7)	2.5(2.9)
CTMPH100805F-4R7M	4.7	2.0	215(190)	1.9(2.2)	1.5(1.65)

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.5 \pm 0.3	2.0 \pm 0.3	1.2	0.6 \pm 0.3
inches	0.098 \pm 0.012	0.079 \pm 0.012	0.047	0.024 \pm 0.012



PAD LAYOUT

