

CTMPH121005F Series

From 0.47 μH to 2.2 μH

SPECIFICATIONS

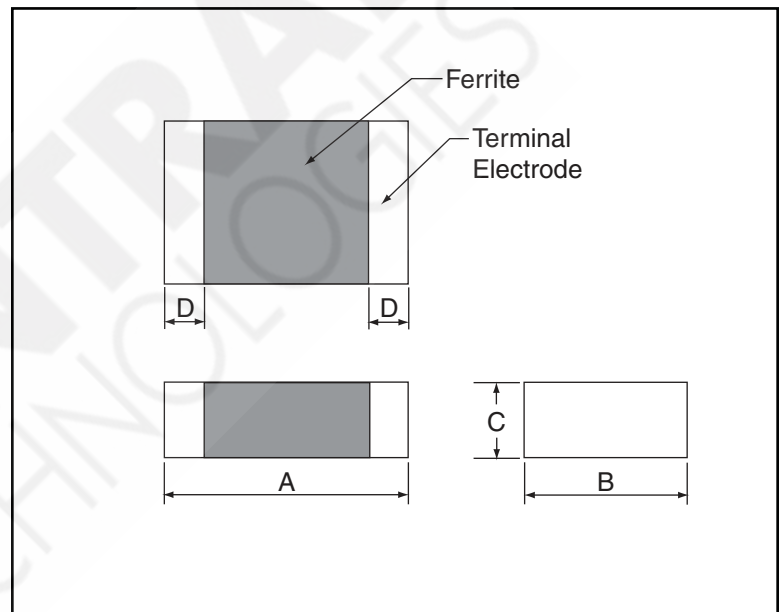
Isat: DC current (A) that will cause L to drop approximately 30%.
 Irms: DC current (A) that will cause an approximate ΔT of 40°C.

Part Number	Inductance (μH)	L Test Freq. (MHz)	DCR Max.(Typ.) (m Ω)	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPH121005F-R47M	0.47	2.0	25(19)	7.0(8.2)	4.6(5.2)
CTMPH121005F-1R0M	1.0	2.0	34(27.5)	5.7(6.5)	3.7(4.2)
CTMPH121005F-1R5M	1.5	2.0	59(51)	4.0(4.6)	2.8(3.2)
CTMPH121005F-2R2M	2.2	2.0	73(64)	3.5(4.0)	2.7(3.0)



PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	3.2 \pm 0.3	2.5 \pm 0.3	1.2	0.5 \pm 0.3
inches	0.126 \pm 0.012	0.098 \pm 0.012	0.047	0.020 \pm 0.012



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.

PAD LAYOUT

