

CTMPC121004PF Series

From 0.47 μH to 2.2 μH

SPECIFICATIONS

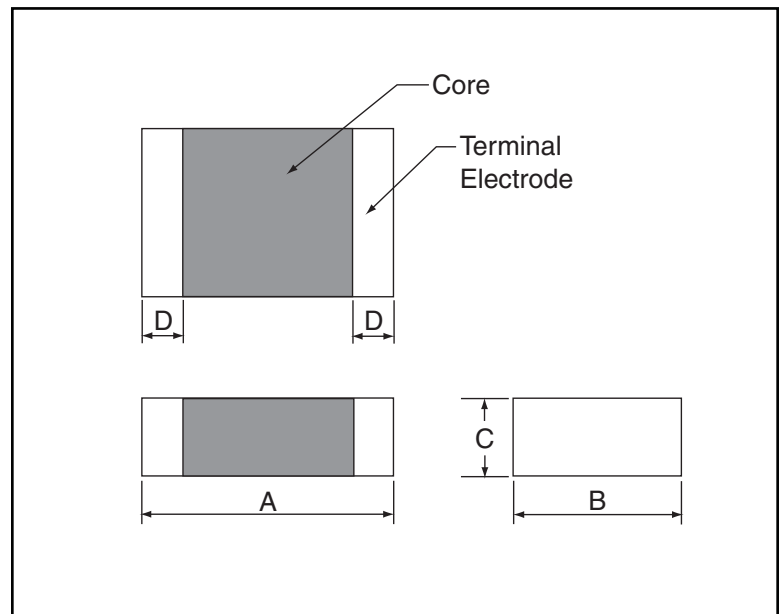
Isat: DC current (A) that will cause L to drop approximately 30%.
 Irms: DC current (A) that will cause an approximate ΔT of 40°C.

Part Number	Inductance (μH)	L Test Freq. (MHz)	DCR Max.(Typ.) (m Ω)	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPC121004PF-R47M	0.47	2.0	37(30)	5.8(6.6)	3.6(4.2)
CTMPC121004PF-1R0M	1.0	2.0	56(49)	4.0(4.6)	3.0(3.3)
CTMPC121004PF-1R5M	1.5	2.0	75(66)	3.4(4.0)	2.6(3.0)
CTMPC121004PF-2R2M	2.2	2.0	108(95)	2.7(3.2)	2.2(2.5)



PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	3.2 \pm 0.3	2.5 \pm 0.3	1.0	0.5 \pm 0.3
inches	0.126 \pm 0.012	0.098 \pm 0.012	0.039	0.020 \pm 0.012



CHARACTERISTICS

Description: SMD Shielded Power Inductor

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

