

# CTMLP080502F

## Series

From 0.47 $\mu$ H to 4.7 $\mu$ H



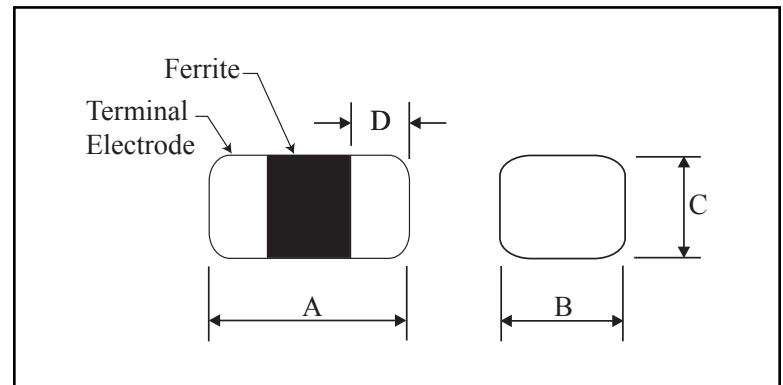
### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTMLP080502F-R47\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$

Part Number	Inductance ( $\mu$ H)	Test Frequency	DCR $\pm 30\%$ ( $\Omega$ )	Isat Max. (mA)	Irms Max. (mA)
CTMLP080502F-R47_	0.47	3.0MHz, 200mV	0.11	900	1200
CTMLP080502F-1R0_	1.0	3.0MHz, 200mV	0.16	300	900
CTMLP080502F-1R5_	1.5	3.0MHz, 200mV	0.18	250	800
CTMLP080502F-2R2_	2.2	3.0MHz, 200mV	0.29	200	600
CTMLP080502F-4R7_	4.7	3.0MHz, 200mV	0.50	100	700

### PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	0.55	0.5 $\pm$ 0.3
inches	0.079 $\pm$ 0.008	0.049 $\pm$ 0.008	0.022	0.020 $\pm$ 0.012



### CHARACTERISTICS

**Description:** SMD Multi-layer Power Chip Inductor. Magnetically shielded.

**Applications:** Cellular phones, Power modules, DC/DC converters, Digital cameras, DVD, Portable devices, etc.

**Operating Temperature:** -55°C to 125°C (including self - temp. rise).

**Isat:** Inductance drop 30% from its value with current.

**Irms:** 40°C temperature rise from 25°C ambient with current.

**Inductance Tolerance:**  $\pm 20\%$  (M),  $\pm 30\%$  (N)

**Packaging:** Tape & Reel.

**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### PAD LAYOUT

