

# CTMPE080603F Series

From 0.47 $\mu$ H to 1.0 $\mu$ H

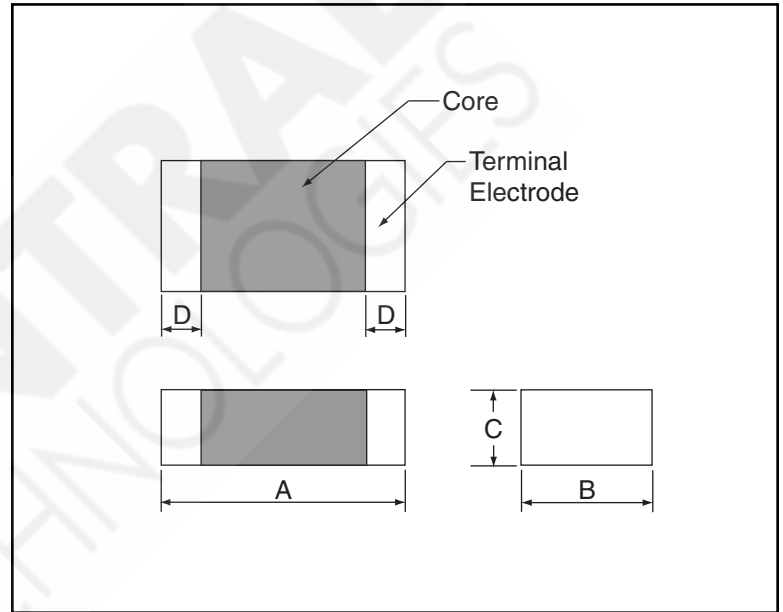
## SPECIFICATIONS

Part Number	Inductance ( $\mu$ H)	Tolerance ( $\pm\%$ )	Test Frequency (MHz)	DCR Max.(Typ.) (m $\Omega$ )	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPE080603F-R47M	0.47	20	2	24(21.5)	4.7(4.8)	4.0(4.1)
CTMPE080603F-1R0M	1.0	20	2	48(41)	3.8(4.1)	3.7(3.9)



## PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.0 $\pm$ 0.2	1.60 $\pm$ 0.2	0.8	0.5 $\pm$ 0.3
inches	0.08 $\pm$ 0.008	0.06 $\pm$ 0.008	0.031	0.02 $\pm$ 0.012



## CHARACTERISTICS

- Description:** SMD shielded molded power inductor
- Applications:** Smartphones, tablets, wearable devices, PC peripheral devices, camcorders, and DC/DC converters
- Operating Temperature:** -40°C to 125°C (including self-temperature rise)
- Inductance Tolerance:**  $\pm$ 20%
- Isat:** Inductance drop 30% from its value without current
- Irms:** A 40°C temperature rise from 25°C ambient with current
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

## PAD LAYOUT

