

## CTMPE080503F Series

### SPECIFICATIONS

Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (MHz)	DCR Max.(Typ.) (mΩ)	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
CTMPE080503F-R47M	0.47	20	2	35(31)	3.9(4.3)	3.5(3.7)

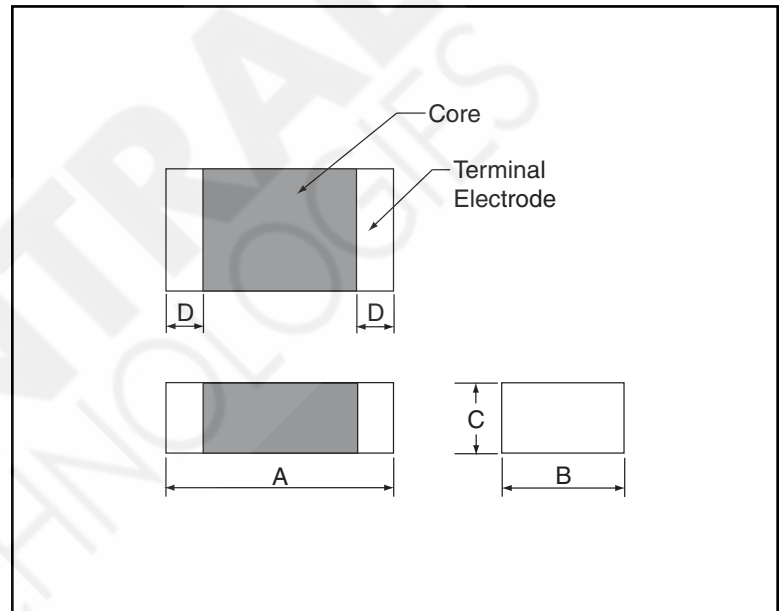


### CHARACTERISTICS

**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:** ±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.**

### PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.0±0.2	1.25±0.2	0.8	0.5±0.3
inches	0.08±0.008	0.05±0.008	0.031	0.02±0.012



### PAD LAYOUT

