

## CTPA5031F Series

From 0.21  $\mu\text{H}$  to 0.44  $\mu\text{H}$

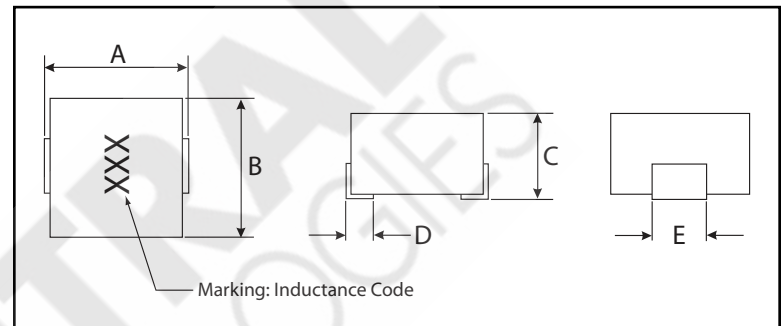
### SPECIFICATIONS

Parts are available in  $\pm 20\%$  inductance tolerance only.

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	DCR Max. (m $\Omega$ )	Isat (A)	Irms (A)
CTPA5031F-R21M	0.21	2.0	0.35	71	45
CTPA5031F-R26M	0.26	2.0	0.35	60	45
CTPA5031F-R32M	0.32	2.0	0.35	50	45
CTPA5031F-R44M	0.44	2.0	0.35	35	45

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E
mm	13.46	12.95	8.0	2.54	5.08
inches	0.53	0.51	0.31	0.10	0.20



### CHARACTERISTICS

**Description:** SMD (shielded) power inductor.

**Applications:** Designed for higher speed switch mode applications requiring lower inductance and high current. Next generation microprocessors, etc.

**Operating Temperature:** -40°C to +100°C

**Isat:** This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.

**Irms:** To load current onto the components under normal ambience, which causes the temperature change as  $\Delta T = 40^\circ\text{C}$  or more lower current.

**Inductance Tolerance:**  $\pm 20\%$

**Testing:** Inductance is tested on an HP4285A at 2.0MHz.

**Packaging:** Tape & Reel.

**Marking:** Parts are marked with inductance code.

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

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

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

### PAD LAYOUT

