

CTPA5031F Series

From 0.21 μH to 0.44 μH

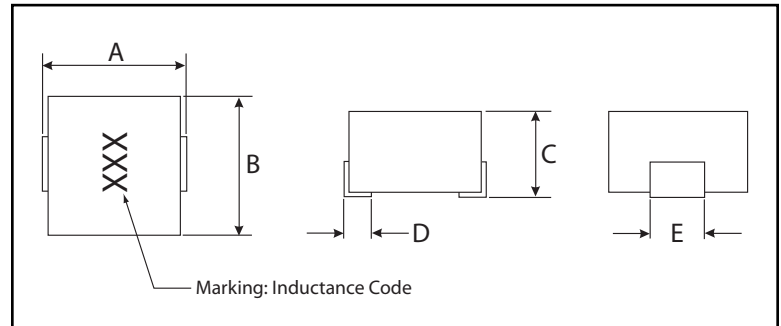
SPECIFICATIONS

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

Part Number	Inductance (μH)	L Test Freq. (MHz)	DCR Max. (m Ω)	*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

