

CTNR6045STF Series

From 1.0 μH to 100 μH



CHARACTERISTICS

Description: SMD (shielded) power inductor.

Applications: DC/DC converters, mobile phones, MP3 players, notebook PC, etc.

Inductance Tolerance: $\pm 20\%$, $\pm 30\%$

Temperature Range: Up to 125°C

Testing: Inductance is tested on an HP4285A at 100KHz, 0.25V.

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.

SPECIFICATIONS

Part numbers indicate inductance tolerance available.

M = $\pm 20\%$, N = $\pm 30\%$

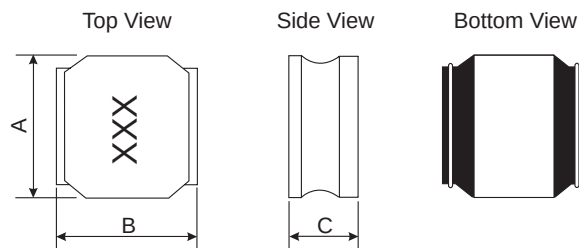
*Irms DC current (A) that will cause an approximate ΔT of 40°C .

**Isat DC current (A) that will cause L0 to drop approximately 30%.

Part Number	Inductance (μH)	L Test Freq. (KHz)	DCR Max. (m Ω)	*Irms Typ. (A)	**Isat Typ. (A)
CTNR6045STF-1R0N	1.0	100	18.2	4.30	8.5
CTNR6045STF-1R3N	1.3	100	20.8	4.00	8.0
CTNR6045STF-1R8N	1.8	100	27.0	3.70	7.0
CTNR6045STF-2R3N	2.3	100	30.0	3.40	6.0
CTNR6045STF-3R0N	3.0	100	35.0	3.30	5.0
CTNR6045STF-4R5N	4.5	100	43.0	3.00	4.0
CTNR6045STF-6R3N	6.3	100	54.0	2.80	3.8
CTNR6045STF-100M	10	100	83.0	2.15	3.0
CTNR6045STF-150M	15	100	114	1.90	2.3
CTNR6045STF-220M	22	100	175	1.60	1.9
CTNR6045STF-270M	27	100	208	1.30	2.5
CTNR6045STF-330M	33	100	240	1.30	1.5
CTNR6045STF-470M	47	100	330	1.00	1.3
CTNR6045STF-680M	68	100	470	0.80	1.0
CTNR6045STF-101M	100	100	720	0.70	0.8

PHYSICAL DIMENSIONS

Size	A	B	C
mm	6.0 $\pm$ 0.2	6.0 $\pm$ 0.2	4.5 $\pm$ 0.2, -0.3
inches	0.24 $\pm$ 0.008	0.24 $\pm$ 0.008	0.177 $\pm$ 0.008, -0.012



PAD LAYOUT

Unit: mm

