

CTNR6028STF

Series

From 0.9 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 = $\pm 30\%$

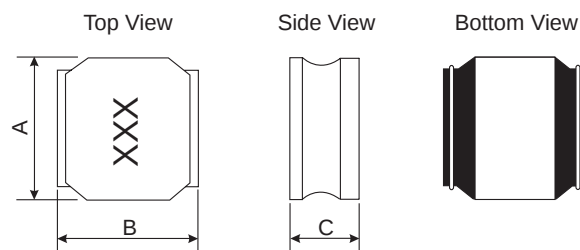
*Irms DC current (A) that will cause an approximate ΔT of 40°C .

**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)
CTNR6028STF-0R9N	0.9	100	17.0	4.50	6.60
CTNR6028STF-1R5N	1.5	100	21.0	4.00	5.00
CTNR6028STF-2R2N	2.2	100	26.0	3.60	4.20
CTNR6028STF-3R0N	3.0	100	30.0	3.10	3.60
CTNR6028STF-4R7M	4.7	100	49.4	2.50	2.70
CTNR6028STF-6R0M	6.0	100	58.5	2.20	2.50
CTNR6028STF-100M	10	100	84.5	1.90	1.90
CTNR6028STF-150M	15	100	123.5	1.60	1.60
CTNR6028STF-220M	22	100	180	1.20	1.30
CTNR6028STF-330M	33	100	286	1.00	1.10
CTNR6028STF-470M	47	100	416	0.85	0.95
CTNR6028STF-680M	68	100	546	0.70	0.76
CTNR6028STF-101M	100	100	780	0.60	0.62

PHYSICAL DIMENSIONS

Size	A	B	C
mm	6.0 $\pm$ 0.2	6.0 $\pm$ 0.2	2.8 $\pm$ 0.2, -0.3
inches	0.24 $\pm$ 0.0079	0.24 $\pm$ 0.0079	0.11 $\pm$ 0.0079, -0.012



PAD LAYOUT

Unit: mm

