

CTNR4012STF Series

From 1.0 μH to 47 μH



SPECIFICATIONS

Part numbers indicate inductance tolerance available.

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

*I_{rms} DC current (A) that will cause an approximate ΔT of 40°C.

**I_{sat} DC current (A) that will cause L₀ to drop approximately 30%.

Part Number	Inductance (μH)	L Test Freq. (KHz)	DCR Max. (Ω)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTNR4012STF-1R0N	1.0	100	.072	1.70	2.50
CTNR4012STF-1R5N	1.5	100	.080	1.55	2.00
CTNR4012STF-2R2M	2.2	100	.108	1.30	1.65
CTNR4012STF-3R3M	3.3	100	.156	1.10	1.20
CTNR4012STF-4R7M	4.7	100	.168	1.00	1.05
CTNR4012STF-6R8M	6.8	100	.276	0.80	0.90
CTNR4012STF-100M	10	100	.360	0.75	0.74
CTNR4012STF-150M	15	100	.480	0.60	0.56
CTNR4012STF-220M	22	100	.790	0.50	0.51
CTNR4012STF-330M	33	100	1.20	0.42	0.40
CTNR4012STF-470M	47	100	1.80	0.35	0.35

PHYSICAL DIMENSIONS

Size	A	B	C
mm	4.0 \pm 0.2	4.0 \pm 0.2	1.2
inches	0.157 \pm 0.0079	0.157 \pm 0.0079	0.0472

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.

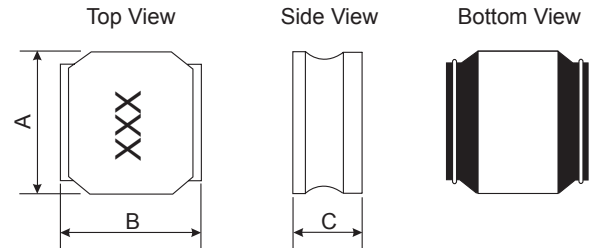
Packaging: Tape & Reel.

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.



PAD LAYOUT

Unit: mm

