

## CTNR6020STF Series From 0.8 $\mu$ H to 22 $\mu$ H



### 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 =  $\pm 30\%$

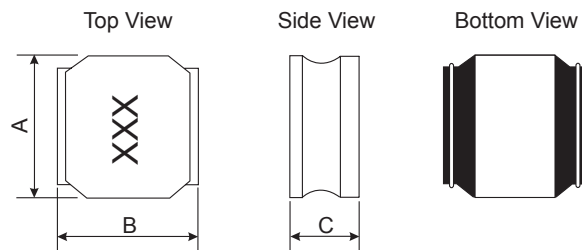
\*Irms DC current (A) that will cause an approximate  $\Delta T$  of 40°C.

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

Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	DCR Max. (m $\Omega$ )	*Irms Typ. (A)	**Isat Typ. (A)
CTNR6020STF-0R8N	0.8	100	26.0	3.90	5.50
CTNR6020STF-1R5N	1.5	100	33.8	3.20	4.00
CTNR6020STF-2R2N	2.2	100	44.2	2.80	3.20
CTNR6020STF-3R3N	3.3	100	52.0	2.35	2.80
CTNR6020STF-4R7N	4.7	100	75.4	1.85	2.40
CTNR6020STF-6R8N	6.8	100	110.5	1.60	2.00
CTNR6020STF-100M	10	100	150.0	1.30	1.70
CTNR6020STF-220M	22	100	348.0	0.90	1.05

### PHYSICAL DIMENSIONS

Size	A	B	C Max.
mm	6.0 $\pm$ 0.2	6.0 $\pm$ 0.2	2.0
inches	0.24 $\pm$ 0.0079	0.24 $\pm$ 0.0079	0.079



### PAD LAYOUT

Unit: mm

