

## CTNLSC32F Series

From 1.0  $\mu\text{H}$  to 100  $\mu\text{H}$



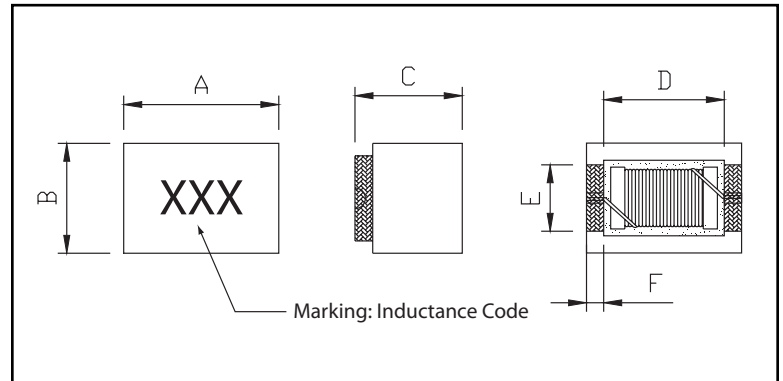
### SPECIFICATIONS

Please specify tolerance code when ordering.  
CTNLSC32F-1R0\_ ← J =  $\pm 5\%$  K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	SRF (MHz) Min.	DCR ( $\Omega$ ) Max.	Isat (A) Min.	Q. Min.
CTNLSC32F-1R0_	1.0	7.96	120	0.70	0.40	30
CTNLSC32F-1R2_	1.2	7.96	100	0.75	0.39	30
CTNLSC32F-1R5_	1.5	7.96	85	0.85	0.37	30
CTNLSC32F-1R8_	1.8	7.96	80	0.90	0.35	30
CTNLSC32F-2R2_	2.2	7.96	75	1.00	0.32	30
CTNLSC32F-2R7_	2.7	7.96	70	1.10	0.29	30
CTNLSC32F-3R3_	3.3	7.96	60	1.20	0.26	30
CTNLSC32F-3R9_	3.9	7.96	55	1.30	0.25	30
CTNLSC32F-4R7_	4.7	7.96	50	1.50	0.224	30
CTNLSC32F-5R6_	5.6	7.96	45	1.60	0.217	30
CTNLSC32F-6R8_	6.8	7.96	40	1.80	0.204	30
CTNLSC32F-8R2_	8.2	7.96	38	2.00	0.194	30
CTNLSC32F-100_	10	2.52	30	2.10	0.189	30
CTNLSC32F-120_	12	2.52	25	2.50	0.173	30
CTNLSC32F-150_	15	2.52	21	2.80	0.164	30
CTNLSC32F-180_	18	2.52	20	3.30	0.151	30
CTNLSC32F-270_	27	2.52	18	5.00	0.122	30
CTNLSC32F-101_	100	0.796	9	14.0	0.073	20

### PHYSICAL DIMENSIONS

Size	A	B	C	D Ref.	E Ref.	F Ref.
mm	3.3 $\pm$ 0.3	2.5 $\pm$ 0.3	2.2 $\pm$ 0.3	2.4	1.8	0.6
inches	0.13 $\pm$ 0.012	0.10 $\pm$ 0.012	0.087 $\pm$ 0.012	0.09	0.07	0.02



### CHARACTERISTICS

**Description:** SMD Wire-wound Chip Inductor

**Applications:** TVs, HDD's, digital cameras, computer peripherals, telecommunication devices and electronic control boards for automobiles.

**Operating Temperature:** -55°C to +125°C

**Inductance Drop:** 10% Typ. at Isat

**I<sub>rms</sub>:** Based on temp. rise ( $\Delta T$ : 40°C Typ.)

**Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$

**Testing:** Inductance is tested on an HP4284A at the specified frequency, 0.5V.

**Packaging:** Tape & Reel.

**Marking:** Parts are marked inductance code.

**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### PAD LAYOUT

