CTNLSC32F Series

From 1.0 µH to 100 µH



CHARACTERISTICS

Description: SMD Wire-wound Chip Inductor
Applications: TVs, HDD's, digital cameras, computer peripherals, telecomunication devices and electronic control boards for automobiles.
Operating Temperature: -55°C to +125°C
Inductance Drop: 10% Typ. at Isat
Irms: Based on temp. rise (ΔT: 40°C Typ.)
Inductance Tolerance: ±5%, ±10%, ±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.

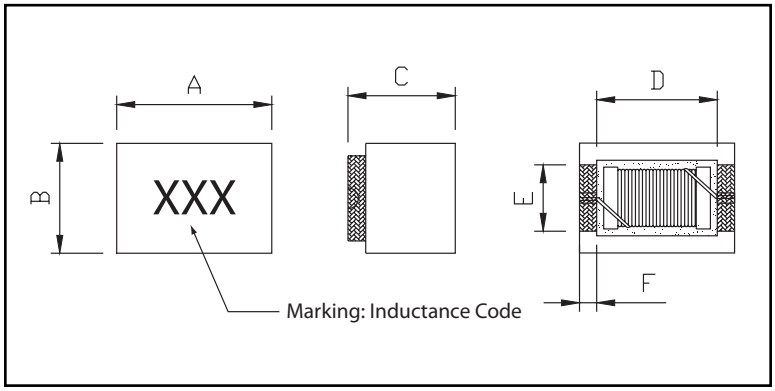
SPECIFICATIONS

Please specify tolerance code when ordering.
CTNLSC32F-1R0_ ← J = ±5% K = ±10%, M = ±20%

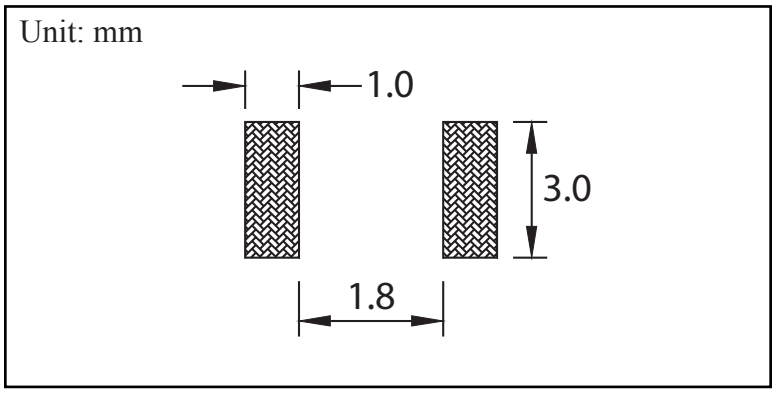
Part Number	Inductance (µH)	L Test Freq. (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	Isat (A) Min.	Q. Min.
CTNLSC32F-1R0_	1.0	7.96	120	0.70	0.40	30
CTNLSC32F-1R2_	1.2	7.96	100	0.75	0.39	30
CTNLSC32F-1R5_	1.5	7.96	85	0.85	0.37	30
CTNLSC32F-1R8_	1.8	7.96	80	0.90	0.35	30
CTNLSC32F-2R2_	2.2	7.96	75	1.00	0.32	30
CTNLSC32F-2R7_	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±0.3	2.5±0.3	2.2±0.3	2.4	1.8	0.6
inches	0.13±0.012	0.10±0.012	0.087±0.012	0.09	0.07	0.02



PAD LAYOUT



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