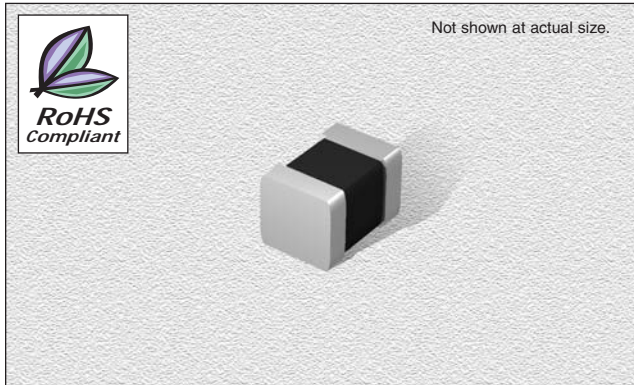


## CTLC0402F Series

From 1.0 nH to 100 nH



### CHARACTERISTICS

**Description:** SMD laser cut inductors

**Applications:** Cellular phones, bluetooth, cable modem and other electronic devices, etc.

**Operating Temperature:** -40°C to +100°C

**Inductance Tolerances:** ±0.2nH, ±0.3nH, ±2% & ±5%

**Testing:** Tested on a HP4287A at 100MHz

**Packaging:** Tape & Reel

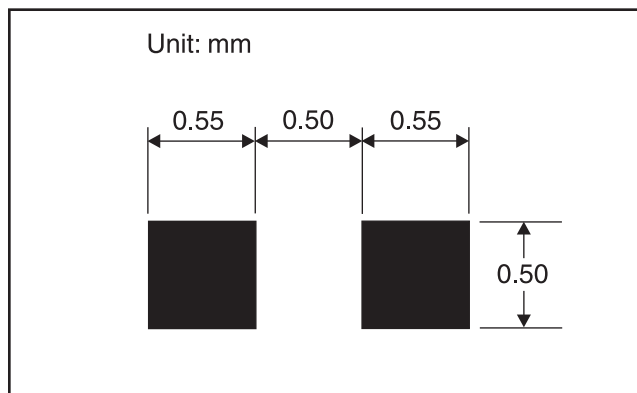
**Miscellaneous:** RoHS Compliant.

**Marking:** Reels are marked with inductance code and tolerance

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

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

### PAD LAYOUT



### SPECIFICATIONS

Please specify tolerance code when ordering.

CTLC0402-1N0\_ ← C = ±0.2nH, S = ±0.3nH, G = ±2%, J = ±5%

\* C or S only \*\*C or J only \*\*\*G or J only

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Max. (mA)
CTLC0402F-1N0_*	1.0	100	8	100	6000	0.05	400
CTLC0402F-1N2_*	1.2	100	8	100	6000	0.06	400
CTLC0402F-1N5_*	1.5	100	8	100	6000	0.07	400
CTLC0402F-1N8_*	1.8	100	8	100	6000	0.08	400
CTLC0402F-2N2_*	2.2	100	8	100	6000	0.09	400
CTLC0402F-2N7_*	2.7	100	8	100	5500	0.10	400
CTLC0402F-3N3_*	3.3	100	8	100	5500	0.12	400
CTLC0402F-3N9_**	3.9	100	8	100	5200	0.15	360
CTLC0402F-4N7_**	4.7	100	8	100	4800	0.17	360
CTLC0402F-5N6_**	5.6	100	8	100	4600	0.19	340
CTLC0402F-6N8_**	6.8	100	8	100	4000	0.30	320
CTLC0402F-8N2_**	8.2	100	8	100	3500	0.35	320
CTLC0402F-10N_***	10	100	8	100	2800	0.41	320
CTLC0402F-12N_***	12	100	8	100	2800	0.45	320
CTLC0402F-15N_***	15	100	8	100	2500	0.60	240
CTLC0402F-18N_***	18	100	8	100	2200	0.70	240
CTLC0402F-22N_***	22	100	8	100	2000	0.80	200
CTLC0402F-27N_***	27	100	8	100	1800	1.20	200
CTLC0402F-33N_***	33	100	8	100	1800	1.40	170
CTLC0402F-39N_***	39	100	8	100	1800	1.70	150
CTLC0402F-47N_***	47	100	8	100	1800	2.10	140
CTLC0402F-56N_***	56	100	8	100	1500	2.50	130
CTLC0402F-68N_***	68	100	8	100	1500	4.00	120
CTLC0402F-82N_***	82	100	8	100	1400	4.50	110
CTLC0402F-R10_***	100	100	8	100	1200	5.50	90

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.0±0.1	0.5±0.1	0.5±0.1	0.2±0.1
inches	0.04±0.004	0.02±0.004	0.02±0.004	0.008±0.004

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