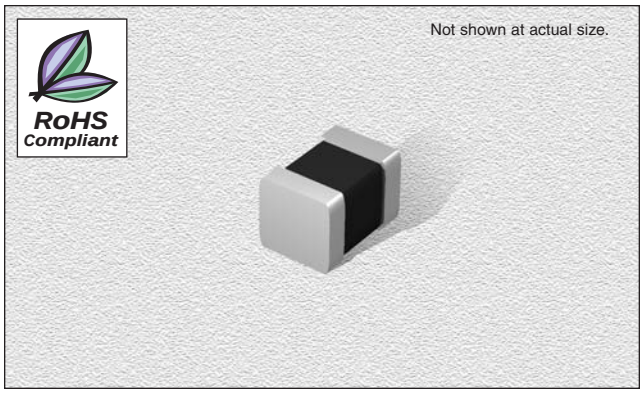
CTLC0603F Series

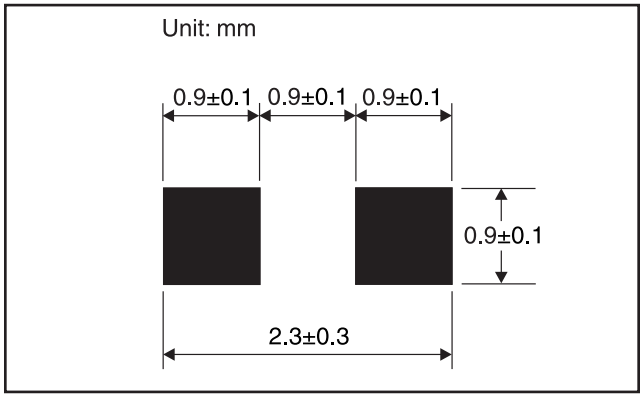
From 1.0 nH to 220 nH



CHARACTERISTICS

Description: SMD laser cut inductors
Applications: Computer products, hard disks, floppy disks, etc. Communication products, cordless phones, etc. Modems, OA products, TV sets, etc. Countermeasures for complying with CE, FCC, VDE or VCCI radiated emissions
Operating Temperature: -40°C to +125°C
Inductance Tolerances: ±0.2nH, ±0.3nH, ±2%, ±5%
Testing: Tested on a HP4287A at specified frequency
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



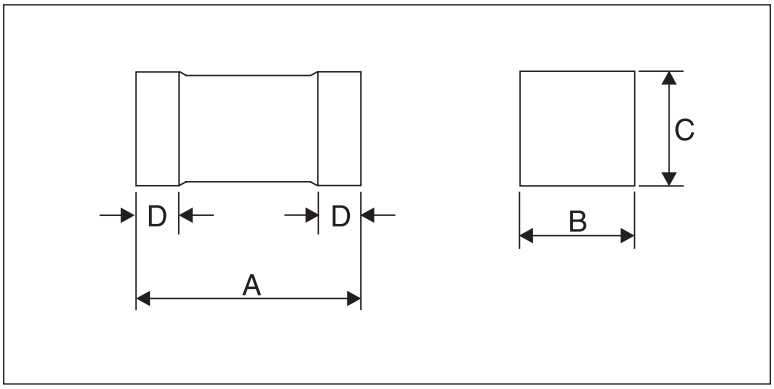
SPECIFICATIONS

Please specify tolerance code when ordering.
CTLC0603F-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 @100MHz	Q @800MHz	SRF Typ. (MHz)	DCR Max. (mΩ)	Rated DC Max. (mA)
CTLC0603F-1N0_*	1.0	100	7	60	16000	20	1800
CTLC0603F-1N2_*	1.2	100	8	60	15000	25	1800
CTLC0603F-1N5_*	1.5	100	8	50	13000	30	1500
CTLC0603F-1N8_*	1.8	100	12	50	12000	33	1500
CTLC0603F-2N2_*	2.2	100	14	50	10000	35	1500
CTLC0603F-2N7_*	2.7	100	14	40	10000	40	1400
CTLC0603F-3N3_*	3.3	100	14	40	9000	60	1200
CTLC0603F-3N9_**	3.9	100	14	40	8000	65	1100
CTLC0603F-4N7_**	4.7	100	14	40	7000	100	800
CTLC0603F-5N6_**	5.6	100	14	40	6000	150	700
CTLC0603F-6N8_**	6.8	100	14	40	6000	150	700
CTLC0603F-8N2_**	8.2	100	14	40	6000	180	650
CTLC0603F-10N_***	10.0	100	14	40	5000	200	600
CTLC0603F-12N_***	12.0	100	14	40	5000	350	450
CTLC0603F-15N_***	15.0	100	14	40	4500	400	420
CTLC0603F-18N_***	18.0	100	14	40	4000	450	400
CTLC0603F-22N_***	22.0	100	14	40	4000	500	360
CTLC0603F-27N_***	27.0	100	14	35	3000	550	350
CTLC0603F-33N_***	33.0	100	14	35	3000	600	300
CTLC0603F-39N_***	39.0	100	14	35	2000	800	270
CTLC0603F-47N_***	47.0	100	14	35	2500	950	250
CTLC0603F-56N_***	56.0	100	14	35	2500	1200	230
CTLC0603F-68N_***	68.0	100	14	35	2000	1300	220
CTLC0603F-82N_***	82.0	100	14	35	2000	1500	200
CTLC0603F-R10_***	100.0	100	14	30	1800	1800	160
CTLC0603F-R12_***	120.0	25.2	5	30	1800	3000	130
CTLC0603F-R15_***	150.0	25.2	5	30	1600	5000	120
CTLC0603F-R18_***	180.0	25.2	4	25	1400	6000	110
CTLC0603F-R22_***	220.0	25.2	4	25	1300	7000	110

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
inches	0.06±0.006	0.03±0.006	0.03±0.006	0.012±0.008



Manufacturer of Passive Components
800-684-5322 Inside US **949-453-1811** Outside US
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