

## CT0201F Series

From 1.0nH to 120nH



### CHARACTERISTICS

**Description:** SMD ceramic core, multi-layer chip inductor for high frequency.

**Applications:** Cellular telephones, cordless telephones, pagers, computer communications, radar detectors, automotive electronics, keyless remotes and miscellaneous high-frequency circuits.

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

**Inductance Tolerance:**  $\pm 0.3\text{nH}$ ,  $\pm 5\%$

**Testing:** Inductance and Q are tested on an HP4287A at 100MHz, 500mV.

**Packaging:** Tape & Reel.

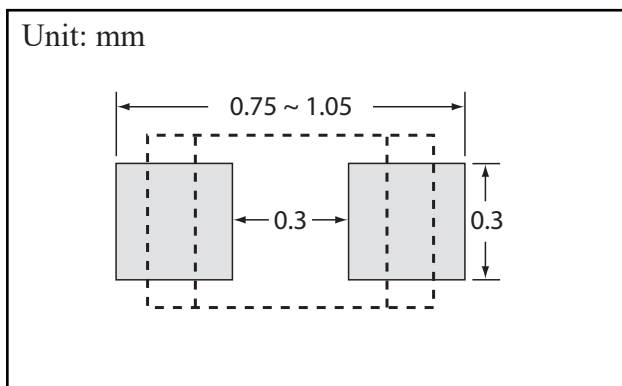
**Marking:** Reels are marked with inductance code and tolerance.

**Miscellaneous:** RoHS Compliant.

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

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

### PAD LAYOUT



### SPECIFICATIONS

Part numbers indicate available inductance tolerance

S =  $\pm 0.3\text{nH}$ , J =  $\pm 5\%$

Part Number	Inductance (nH)	L, Q Test Freq.	Q Min.	SRF (MHz) Min.	DCR ( $\Omega$ ) Max.	Rated Current (mA) Max.
CT0201F-1N0S	1.0	100MHz, 500mV	4	>10000	0.11	470
CT0201F-1N2S	1.2	100MHz, 500mV	4	>10000	0.12	450
CT0201F-1N5S	1.5	100MHz, 500mV	4	>10000	0.13	430
CT0201F-1N8S	1.8	100MHz, 500mV	4	>10000	0.16	390
CT0201F-2N0S	2.0	100MHz, 500mV	4	>10000	0.17	380
CT0201F-2N2S	2.2	100MHz, 500mV	4	8800	0.19	360
CT0201F-2N4S	2.4	100MHz, 500mV	4	8300	0.20	350
CT0201F-2N7S	2.7	100MHz, 500mV	4	7700	0.21	340
CT0201F-3N0S	3.0	100MHz, 500mV	4	7200	0.22	330
CT0201F-3N3S	3.3	100MHz, 500mV	4	6700	0.23	320
CT0201F-3N6S	3.6	100MHz, 500mV	4	6400	0.25	310
CT0201F-3N9S	3.9	100MHz, 500mV	4	6000	0.27	300
CT0201F-4N3S	4.3	100MHz, 500mV	4	5700	0.30	280
CT0201F-4N7S	4.7	100MHz, 500mV	4	5300	0.30	280
CT0201F-5N1S	5.1	100MHz, 500mV	4	5000	0.33	270
CT0201F-5N6S	5.6	100MHz, 500mV	4	4600	0.36	260
CT0201F-6N2S	6.2	100MHz, 500mV	4	4200	0.38	250
CT0201F-6N8J	6.8	100MHz, 500mV	4	3900	0.39	250
CT0201F-7N5J	7.5	100MHz, 500mV	4	3600	0.41	240
CT0201F-8N2J	8.2	100MHz, 500mV	4	3400	0.45	230
CT0201F-9N1J	9.1	100MHz, 500mV	4	3200	0.48	220
CT0201F-10NJ	10	100MHz, 500mV	4	2900	0.51	220
CT0201F-12NJ	12	100MHz, 500mV	4	2700	0.68	190
CT0201F-15NJ	15	100MHz, 500mV	4	2300	0.71	180
CT0201F-18NJ	18	100MHz, 500mV	4	2100	0.81	170
CT0201F-22NJ	22	100MHz, 500mV	4	1800	1.00	150
CT0201F-27NJ	27	100MHz, 500mV	4	1800	1.35	120
CT0201F-33NJ	33	100MHz, 500mV	4	1700	1.47	110
CT0201F-39NJ	39	100MHz, 500mV	4	1500	1.72	100
CT0201F-47NJ	47	100MHz, 500mV	4	1300	1.90	100
CT0201F-56NJ	56	100MHz, 500mV	4	1100	2.27	80
CT0201F-68NJ	68	100MHz, 500mV	4	1100	2.66	80
CT0201F-82NJ	82	100MHz, 500mV	4	1000	3.37	70
CT0201F-R10J	100	100MHz, 500mV	4	900	4.00	60
CT0201F-R12J	120	300MHz, 50mV	10	800	5.00	80

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	0.6 $\pm$ 0.03	0.3 $\pm$ 0.03	0.3 $\pm$ 0.03	0.15 $\pm$ 0.05
inches	0.02 $\pm$ 0.001	0.01 $\pm$ 0.001	0.01 $\pm$ 0.001	0.006 $\pm$ 0.002

