CERAMIC RF CHIP INDUCTORS – 0201CC SERIES

- *Monolithic inorganic material construction*
- *Low DC resistance and high Q Values at high frequency*
- *High Self Resonant Frequency*
- *Industry Standard 0201 (0603) Surface Mount Land Pattern*

Electrical Specifications @ 25°C

Part Number	Inductance (nH)	Standard Tolerance	Q (Min.)	Test Frequency (MHz)	SRF (MHz MIN)	R_{DC} (Ω MAX)	I_{DC} (mA MAX)
PE-0201CC1N0STT	1.0	±0.3nH (S)	4	100	10000	0.11	470
PE-0201CC1N2STT	1.2	±0.3nH (S)	4	100	10000	0.12	450
PE-0201CC1N5STT	1.5	±0.3nH (S)	4	100	10000	0.13	430
PE-0201CC1N8STT	1.8	±0.3nH (S)	4	100	10000	0.16	390
PE-0201CC2N0STT	2.0	±0.3nH (S)	4	100	10000	0.17	380
PE-0201CC2N2STT	2.2	±0.3nH (S)	4	100	8800	0.19	360
PE-0201CC2N4STT	2.4	±0.3nH (S)	4	100	8300	0.20	350
PE-0201CC2N7STT	2.7	±0.3nH (S)	5	100	7700	0.21	340
PE-0201CC3N0STT	3.0	±0.3nH (S)	5	100	7200	0.22	330
PE-0201CC3N3STT	3.3	±0.3nH (S)	5	100	6700	0.23	320
PE-0201CC3N6STT	3.6	±0.3nH (S)	5	100	6400	0.25	310
PE-0201CC3N9STT	3.9	±0.3nH (S)	5	100	6000	0.27	300
PE-0201CC4N3STT	4.3	±0.3nH (S)	5	100	5700	0.30	280
PE-0201CC4N7STT	4.7	±0.3nH (S)	5	100	5300	0.30	280
PE-0201CC5N1STT	5.1	±0.3nH (S)	5	100	5000	0.33	270
PE-0201CC5N6STT	5.6	±0.3nH (S)	5	100	4600	0.36	260
PE-0201CC6N2JTT	6.2	±5% (J)	5	100	4200	0.38	250
PE-0201CC6N8JTT	6.8	±5% (J)	5	100	3900	0.39	250
PE-0201CC7N5JTT	7.5	±5% (J)	5	100	3600	0.41	230
PE-0201CC8N2JTT	8.2	±5% (J)	5	100	3400	0.45	230
PE-0201CC9N1JTT	9.1	±5% (J)	5	100	3200	0.48	220
PE-0201CC100JTT	10	±5% (J)	5	100	2900	0.51	220
PE-0201CC120JTT	12	±5% (J)	5	100	2700	0.68	190
PE-0201CC150JTT	15	±5% (J)	5	100	2300	0.71	180
PE-0201CC180JTT	18	±5% (J)	5	100	2100	0.81	170
PE-0201CC220JTT	22	±5% (J)	5	100	1800	1.0	150
PE-0201CC270JTT	27	±5% (J)	4	100	1800	1.35	120
PE-0201CC330JTT	33	±5% (J)	4	100	1700	1.47	110

USA 858 674 8100 Germany 49 7032 7806 0 Singapore 65 6287 8998 Shanghai 86 21 62787060 China 86 755 33966678 Taiwan 886 3 4356768

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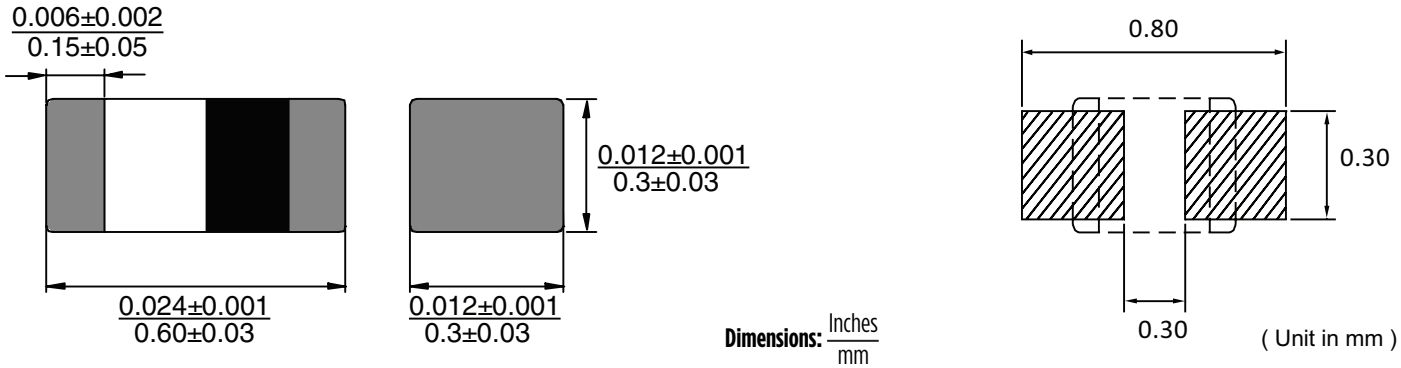
Electrical Specifications @ 25°C							
Part Number	Inductance (nH)	Standard Tolerance	Q (Min.)	Test Frequency (MHz)	SRF (MHz MIN)	R_{DC} (Ω MAX)	I_{DC} (mA MAX)
PE-0201CC390JTT	39	±5% (J)	4	100	1500	1.72	100
PE-0201CC470JTT	47	±5% (J)	4	100	1300	1.9	100
PE-0201CC560JTT	56	±5% (J)	4	100	1100	2.27	80
PE-0201CC680JTT	68	±5% (J)	4	100	1100	2.66	80
PE-0201CC820JTT	82	±5% (J)	4	100	1000	3.37	70
PE-0201CC101JTT	100	±5% (J)	4	100	900	3.74	60

Notes:

1. Inductance measured using a HP4286A RF Impedance Analyzer. (Please note that inductance information is not stamped on part, because of the extremely small size).
2. Q measured using a HP4291A RF Impedance Analyzer with a HP16193A Test Fixture.
3. SRF measured using a HP8753C Network Analyzer.
4. RDC measured using a Valhalla Scientific model 4100 ATC Digital Ohm meter.
5. Based on a 15°C maximum temperature rise.

Mechanical

0201CC Series



Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

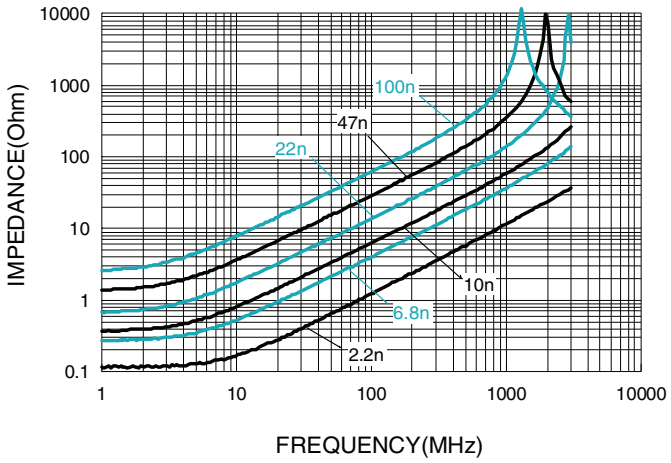
(Unit in mm)

Super High Frequency Ceramic RF Chip Inductors - 0603CC Series

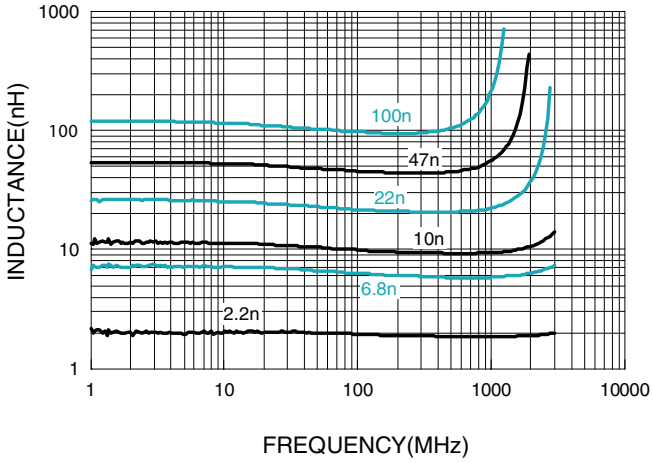
Characteristic Graphs

0201CC SERIES

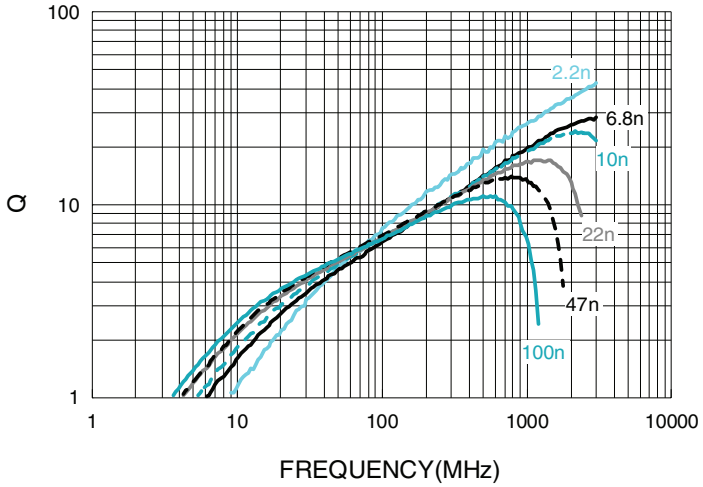
Impedance v.s. Frequency Characteristics



Inductance v.s. Frequency Characteristics



Q v.s. Frequency Characteristics



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