



■ Features:

- Excellent Q factor and SRF characteristics
- Supports operating frequency bands up to 10GHz
- Monolithic structure for high reliability
- Cost Effective

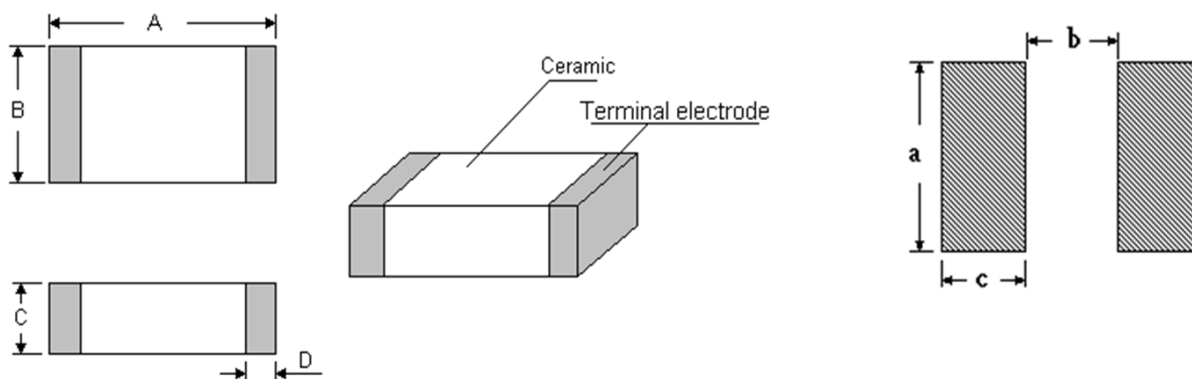
■ Applications:

- RF resonance and impedance Matching Circuit
- RF and wireless communication
- Information technology equipments, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDA, keyless remote systems

■ Parts code:

CIC 0603	10N	J
Type	Inductance code	Tolerance

■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	a	b	c
CIC 0402 (1005)	1.0±0.1	0.5±0.1	0.5±0.1	0.25±0.1	0.5	0.45	0.5
CIC 0603 (1608)	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2	0.7	0.7	0.7
CIC 0805 (2012)	2.0±0.2	1.25±0.2	0.9±0.2	0.5±0.3	1.0	0.8	1.0

■ Package:

TYPE	CIC 0402	CIC 0603	CIC 0805
Q'TY / Reel	10000	4000	4000

■ Operating temperature: -55°C to + 125°C

Storage temperature: -55°C to + 125°C

■ Specifications

Inductance			CIC 0805 (2012)				
			Q	Test Frequency	SRF	DC Resistance	Rated Current
Code	nH	Tolerance	(Min)	L, Q (MHz)	(MHz) Min	(Ω) Max	(mA) Max
1N0	1.0	S	10	100	10	0.10	300
1N2	1.2	S	10	100	10	0.10	300
1N5	1.5	S	10	100	4.0	0.10	300
1N8	1.8	S	10	100	4.0	0.10	300
2N2	2.2	S	10	100	4.0	0.10	300
2N7	2.7	S	12	100	4.0	0.10	300
3N3	3.3	S	12	100	4.0	0.13	300
3N9	3.9	S	12	100	4.0	0.15	300
4N7	4.7	S	12	100	3.5	0.20	300
5N6	5.6	S	15	100	3.2	0.23	300
6N8	6.8	J	15	100	2.8	0.25	300
8N2	8.2	J	15	100	2.4	0.28	300
10N	10	J	15	100	2.1	0.30	300
12N	12	J	15	100	1.9	0.35	300
15N	15	J	15	100	1.6	0.40	300
18N	18	J	15	100	1.5	0.45	300
22N	22	J	18	100	1.4	0.50	300
27N	27	J	18	100	1.3	0.55	300
33N	33	J	18	100	1.2	0.60	300
39N	39	J	18	100	1.0	0.65	300
47N	47	J	18	100	0.9	0.70	300
56N	56	J	18	100	0.8	0.75	300
68N	68	J	18	100	0.7	0.80	300
82N	82	J	18	100	0.6	0.90	300
R10	100	J	18	100	0.6	0.90	300
R12	120	J	13	50	0.5	0.95	300
R15	150	J	13	50	0.5	1.00	300
R18	180	J	13	50	0.4	1.10	300
R22	220	J	12	50	0.3	1.20	300
R27	270	J	12	50	0.3	1.30	300
R33	330	J	12	50	0.25	1.40	300
R39	390	J	10	50	0.25	1.40	300
R47	470	J	10	50	0.20	1.50	300
R56	560	J	10	25	0.18	5.00	50
R68	680	J	10	25	0.16	5.50	50

※ Test Equipment: HP4291 Impedance Analyzer

■ Notes: Tolerance: S(± 0.3nH), J(± 5%)

■ Operating temperature: -55°C to + 125°C

Storage temperature: -55°C to + 125°C