



PRODUCT IDENTIFICATION

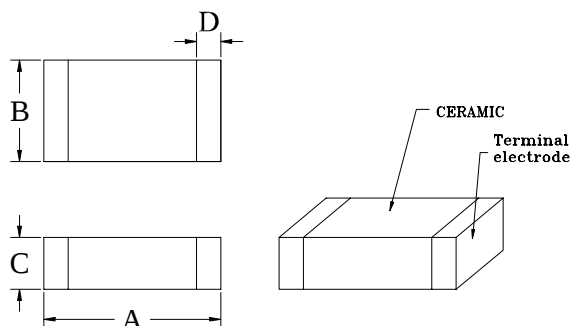
JCI 1005 C - 1N0 □
 | | | |
Type Size Inductance Tolerance
Ceramic

■ FEATURES

For miscellaneous high-frequency circuits
 EMI countermeasure in high-frequency circuits
 High SRF up to 6GHz and above

■ APPLICATIONS

Mobile phone
 Personal computer and peripherals
 Cordless phone

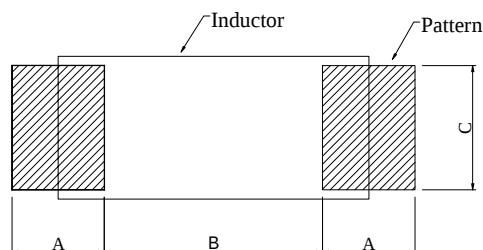


■ DIMENSIONS (mm)

No.	Part No.	Size (mm)			
		A	B	C	D
1	JCI 1005C (0402)	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.1 Min.
2	JCI 1608C (0603)	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.3 ± 0.2
3	JCI 2012C (0805)	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2	0.5 ± 0.2

■ RECOMMENDED PATTERN

Type	A	B	C
JCI 1005C (0402)	0.45	0.5	0.5
JCI 1608C (0603)	0.70	0.7	0.7
JCI 2012C (0805)	0.80	1.0	1.0



■ PACKAGE

Size	JCI 1005C	JCI 1608C	JCI 2012C
Q'TY/Reel	10,000	4,000	4,000

No.	Part No.	Inductance (nH) at 100MHz	Tolerance	Q Min. 100MHz	SRF Min. (GHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 1005C-1N0S	1.0	S	8	10	0.08	300
2	JCI 1005C-1N2S	1.2	S	8	10	0.09	300
3	JCI 1005C-1N5S	1.5	S	8	6	0.10	300
4	JCI 1005C-1N8S	1.8	S	8	6	0.12	300
5	JCI 1005C-2N2S	2.2	S	8	6	0.13	300
6	JCI 1005C-2N7S	2.7	S	8	6	0.13	300
7	JCI 1005C-3N3□	3.3	S,K	8	6	0.16	300
8	JCI 1005C-3N9□	3.9	S,K	8	4	0.21	300
9	JCI 1005C-4N7□	4.7	S,K	8	4	0.21	300
10	JCI 1005C-5N6□	5.6	S,K	8	4	0.23	300
11	JCI 1005C-6N8□	6.8	J,K	8	3.9	0.25	300
12	JCI 1005C-8N2□	8.2	J,K	8	3.6	0.28	300
13	JCI 1005C-10N□	10.0	J,K	8	3.2	0.31	300
14	JCI 1005C-12N□	12.0	J,K	8	2.7	0.40	300
15	JCI 1005C-15N□	15.0	J,K	8	2.3	0.46	300
16	JCI 1005C-18N□	18.0	J,K	8	2.1	0.55	300
17	JCI 1005C-22N□	22.0	J,K	8	1.9	0.6	300
18	JCI 1005C-27N□	27.0	J,K	8	1.6	0.7	300
19	JCI 1005C-33N□	33.0	J,K	8	1.3	0.8	200
20	JCI 1005C-39N□	39.0	J,K	8	1.2	0.9	200
21	JCI 1005C-47N□	47.0	J,K	8	1	1.0	200
22	JCI 1005C-56N□	56.0	J,K	8	0.75	1.0	200
23	JCI 1005C-68N□	68.0	J,K	8	0.75	1.2	180
24	JCI 1005C-82N□	82.0	J,K	8	0.6	1.3	150
25	JCI 1005C-R10□	100.0	J,K	8	0.6	1.5	150
26	JCI 1005C-R12□	120.0	J,K	8	0.6	1.6	150

□ : Tolerance : S = $\pm 0.3\text{nH}$; J = $\pm 5\%$; K = $\pm 10\%$

No.	Part No.	Inductance (nH) at 100MHz	Tolerance	Q Min. 100MHz	SRF Min. (GHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 1608C-1N2S	1.2	S	8	10	0.05	300
2	JCI 1608C-1N5S	1.5	S	8	6	0.10	300
3	JCI 1608C-1N8S	1.8	S	8	6	0.10	300
4	JCI 1608C-2N2S	2.2	S	8	6	0.10	300
5	JCI 1608C-2N7S	2.7	S	10	6	0.10	300
6	JCI 1608C-3N3□	3.3	S,K	10	6	0.12	300
7	JCI 1608C-3N9□	3.9	S,K	10	6	0.14	300
8	JCI 1608C-4N7□	4.7	S,K	10	4	0.16	300
9	JCI 1608C-5N6□	5.6	S,K	10	4	0.18	300
10	JCI 1608C-6N8□	6.8	J,K	10	4	0.22	300
11	JCI 1608C-8N2□	8.2	J,K	10	3.5	0.24	300
12	JCI 1608C-10N□	10.0	J,K	12	3.4	0.26	300
13	JCI 1608C-12N□	12.0	J,K	12	2.6	0.28	300
14	JCI 1608C-15N□	15.0	J,K	12	2.3	0.32	300
15	JCI 1608C-18N□	18.0	J,K	12	2.0	0.35	300
16	JCI 1608C-22N□	22.0	J,K	12	1.6	0.40	300
17	JCI 1608C-27N□	27.0	J,K	12	1.4	0.45	300
18	JCI 1608C-33N□	33.0	J,K	12	1.2	0.50	300
19	JCI 1608C-39N□	39.0	J,K	12	1.1	0.60	300
20	JCI 1608C-47N□	47.0	J,K	12	0.9	0.70	300
21	JCI 1608C-56N□	56.0	J,K	12	0.9	0.75	300
22	JCI 1608C-68N□	68.0	J,K	12	0.7	0.85	300
23	JCI 1608C-82N□	82.0	J,K	12	0.6	0.90	300
24	JCI 1608C-R10□	100.0	J,K	12	0.6	1.00	300
25	JCI 1608C-R12□	120.0	J,K	8	0.5	1.20	300
26	JCI 1608C-R15□	150.0	K	8	0.5	1.20	300
27	JCI 1608C-R22□	220.0	K	8	0.4	1.50	300

□ : Tolerance : S = $\pm 0.3\text{nH}$; J = $\pm 5\%$; K = $\pm 10\%$

Test Frequency is 50MHz for JCI 1608C-R12~R22

No.	Part No.	Inductance (nH) at 100MHz	Tolerance	Q Min. 100MHz	SRF Min. (GHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 2012C-1N5S	1.5	S	10	4	0.10	300
2	JCI 2012C-1N8S	1.8	S	10	4	0.10	300
3	JCI 2012C-2N2S	2.2	S	10	4	0.10	300
4	JCI 2012C-2N7S	2.7	S	12	4	0.10	300
5	JCI 2012C-3N3□	3.3	S,K	12	4	0.13	300
6	JCI 2012C-3N9□	3.9	S,K	12	4	0.15	300
7	JCI 2012C-4N7□	4.7	S,K	12	3.5	0.20	300
8	JCI 2012C-5N6□	5.6	S,K	15	3.2	0.23	300
9	JCI 2012C-6N8□	6.8	J,K	15	2.8	0.25	300
10	JCI 2012C-8N2□	8.2	J,K	15	2.4	0.28	300
11	JCI 2012C-10N□	10.0	J,K	15	2.1	0.30	300
12	JCI 2012C-12N□	12.0	J,K	15	1.9	0.35	300
13	JCI 2012C-15N□	15.0	J,K	15	1.6	0.40	300
14	JCI 2012C-18N□	18.0	J,K	15	1.5	0.45	300
15	JCI 2012C-22N□	22.0	J,K	18	1.4	0.50	300
16	JCI 2012C-27N□	27.0	J,K	18	1.3	0.55	300
17	JCI 2012C-33N□	33.0	J,K	18	1.2	0.60	300
18	JCI 2012C-39N□	39.0	J,K	18	1	0.65	300
19	JCI 2012C-47N□	47.0	J,K	18	0.9	0.70	300
20	JCI 2012C-56N□	56.0	J,K	18	0.8	0.75	300
21	JCI 2012C-68N□	68.0	J,K	18	0.7	0.80	300
22	JCI 2012C-82N□	82.0	J,K	18	0.6	0.90	300
23	JCI 2012C-R10□	100.0	J,K	18	0.6	0.90	300
24	JCI 2012C-R12□	120.0	J,K	13	0.5	0.95	300
25	JCI 2012C-R15□	150.0	J,K	13	0.5	1.00	300
26	JCI 2012C-R18□	180.0	J,K	13	0.4	1.10	300
27	JCI 2012C-R22□	220.0	J,K	12	0.35	1.20	300
28	JCI 2012C-R27□	270.0	J,K	12	0.3	1.30	300
29	JCI 2012C-R33□	330.0	J,K	12	0.25	1.40	300
30	JCI 2012C-R39□	390.0	J,K	10	0.25	1.40	300
31	JCI 2012C-R47□	470.0	J,K	10	0.2	1.50	300

□ : Tolerance : S = $\pm 0.3\text{nH}$; J = $\pm 5\%$; K = $\pm 10\%$

Test Frequency is 50MHz for JCI 2012C-R12~R47