

PRODUCT IDENTIFICATION

JCI 1005 C - 1N0

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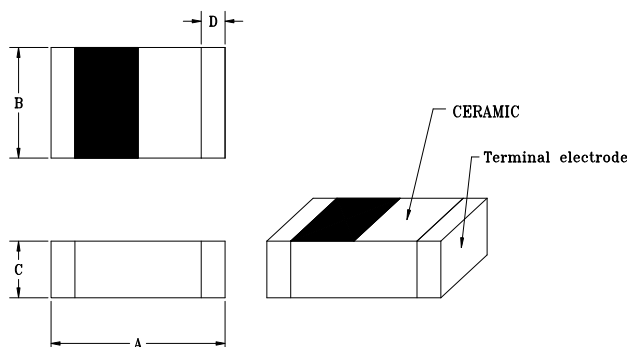
Type Size Ceramic Inductance Tolerance

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

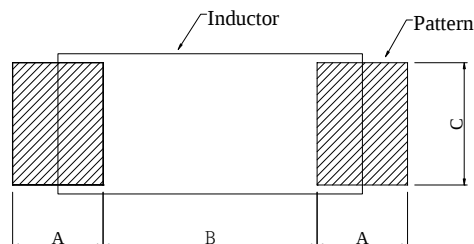


DIMENSIONS (mm)

No.	Part No.	Size (mm)			
		A	B	C	D
1	JCI 0603C (0201)	0.6 ± 0.03	0.3 ± 0.03	0.3 ± 0.03	0.1 Min.
2	JCI 1005C (0402)	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.1 Min.
3	JCI 1608C (0603)	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.3 ± 0.2

RECOMMENDED PATTERN

Type	A	B	C
JCI 0603C (0201)	0.30	0.35	0.30
JCI 1005C (0402)	0.45	0.50	0.50
JCI 1608C (0603)	0.70	0.70	0.70



PACKAGE

Size	JCI 0603C	JCI 1005C	JCI 1608C
Q'TY/Reel	15,000	10,000	4,000



High-Frequency Multilayer Chip Inductor-JCI 1005C

No.	Part No.	Inductance (nH) at 100MHz	Tolerance	Q Min. 100 (MHz)	SRF Min. (GHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 1005C-1N0□	1.0	S,B,E	8	8	0.10	300
2	JCI 1005C-1N2□	1.2	S,B,E	8	8	0.10	300
3	JCI 1005C-1N5□	1.5	S,B,E	8	8	0.10	300
4	JCI 1005C-1N8□	1.8	S,B,E	8	6	0.12	300
5	JCI 1005C-2N0□	2.0	S,B,E	8	6	0.12	300
6	JCI 1005C-2N2□	2.2	S,B,E	8	6	0.15	300
7	JCI 1005C-2N4□	2.4	S,B,E	8	6	0.16	300
8	JCI 1005C-2N7□	2.7	S,B,E	8	6	0.17	300
9	JCI 1005C-3N0□	3.0	S,B,E	8	6	0.18	300
10	JCI 1005C-3N3□	3.3	S,B,E	8	6	0.19	300
11	JCI 1005C-3N9□	3.9	S,B,E	8	6	0.20	300
12	JCI 1005C-4N7□	4.7	S,B,E	8	6	0.23	300
13	JCI 1005C-5N6□	5.6	S,B,E	8	4.5	0.26	300
14	JCI 1005C-6N8□	6.8	S,B,E	8	4.2	0.29	300
15	JCI 1005C-8N2□	8.2	S,B,E	8	3.6	0.33	300
16	JCI 1005C-9N1□	9.1	S,B,E	8	3.4	0.34	300
17	JCI 1005C-10N□	10	J,H,G	8	3.2	0.35	300
18	JCI 1005C-12N□	12	J,H,G	8	2.8	0.45	300
19	JCI 1005C-15N□	15	J,H,G	8	2.3	0.55	300
20	JCI 1005C-18N□	18	J,H,G	8	2.1	0.65	300
21	JCI 1005C-22N□	22	J,H,G	8	1.8	0.70	300
22	JCI 1005C-27N□	27	J,H,G	8	1.6	0.80	300
23	JCI 1005C-33N□	33	J,H,G	8	1.5	0.90	200
24	JCI 1005C-39N□	39	J,H,G	8	1.2	1.06	200
25	JCI 1005C-47N□	47	J,H,G	8	1.0	1.15	200
26	JCI 1005C-56N□	56	J,H,G	8	0.8	1.20	200
27	JCI 1005C-68N□	68	J,H,G	8	0.8	1.25	180
28	JCI 1005C-82N□	82	J,H,G	8	0.6	1.60	150
29	JCI 1005C-R10□	100	J,H,G	8	0.6	1.60	150
30	JCI 1005C-R12□	120	J,H,G	8	0.6	1.60	150
31	JCI 1005C-R18□	180	J,H,G	8	0.5	3.38	150

□ : Tolerance : E = $\pm 0.1\text{nH}$; B = $\pm 0.2\text{nH}$; S = $\pm 0.3\text{nH}$; G = $\pm 2\%$; H = $\pm 3\%$; J = $\pm 5\%$; K = $\pm 10\%$