



PRODUCT IDENTIFICATION

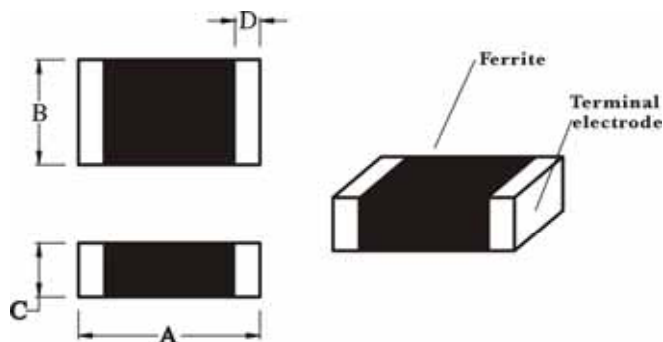
FEATURES

Inductance is from 47nH to 33uH
 Offer an effective solution for PCB designs
 Excellent solderability and high heat resistance for ei
 flow or reflow soldering
 Closed magnetic circuit to avoid crosstalk

JCI 1608 - 1R0 □
 | | | |
 Type Size Inductance Tolerance

APPLICATIONS

Notebook PC, digital TV and VTRs
 Printers, hard disk and personal computers
 Noise elimination for I/O lines of general
 consumer and computers products

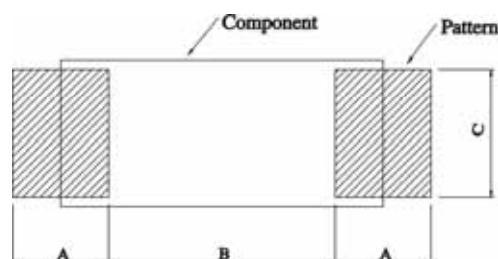


DIMENSIONS (mm)

No.	Part No.	Size (mm)			
		A	B	C	D
1	JCI 1608 (0603) 47N~100	1.6 ± 0.2	0.8 ± 0.2	0.80 ± 0.2	0.3 ± 0.2
2	JCI 2012 (0805) 47N~2R2	2.0 ± 0.2	1.2 ± 0.2	0.90 ± 0.2	0.5 ± 0.3
3	JCI 2012 (0805) 2R7~150	2.0 ± 0.2	1.2 ± 0.2	1.20 ± 0.2	0.5 ± 0.3
4	JCI 2012 (0805) 180~330	2.0 ± 0.2	1.2 ± 0.2	1.25 ± 0.2	0.5 ± 0.3
5	JCI 3216 (1206) 47N~120	3.2 ± 0.2	1.6 ± 0.2	1.10 ± 0.2	0.5 ± 0.3
6	JCI 3216 (1206) 120~330	3.2 ± 0.2	1.6 ± 0.2	1.60 ± 0.2	0.5 ± 0.3

RECOMMENDED PATTERN

Type	A	B	C
JCI 1608 (0603)	0.7	0.7	0.7
JCI 2012 (0805)	0.8	1.0	1.0
JCI 3216 (1206)	1.1	2.2	1.4



PACKAGE

Size	JCI 1608	JCI 2012 (47N~2R2)	JCI 2012 (2R7~330)	JCI 3216
Q'TY/Reel	4,000	4,000	3,000	3,000

No.	Part No.	Inductance (μ H)	Tolerance	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 1608-47NM	0.047	M	10	50	260	0.30	50
2	JCI 1608-68NM	0.068	M	10	50	250	0.30	50
3	JCI 1608-R10□	0.10	K,M	15	25	240	0.50	50
4	JCI 1608-R12□	0.12	K,M	15	25	205	0.50	50
5	JCI 1608-R15□	0.15	K,M	15	25	180	0.60	50
6	JCI 1608-R18□	0.18	K,M	15	25	165	0.60	50
7	JCI 1608-R22□	0.22	K,M	15	25	150	0.80	50
8	JCI 1608-R27□	0.27	K,M	15	25	136	0.80	50
9	JCI 1608-R33□	0.33	K,M	15	25	125	0.85	35
10	JCI 1608-R39□	0.39	K,M	15	25	110	1.00	35
11	JCI 1608-R47□	0.47	K,M	15	25	105	1.35	35
12	JCI 1608-R56□	0.56	K,M	15	25	95	1.55	35
13	JCI 1608-R68□	0.68	K,M	15	25	90	1.70	35
14	JCI 1608-R82□	0.82	K,M	15	25	85	2.10	35
15	JCI 1608-1R0□	1.0	K,M	35	10	75	0.60	25
16	JCI 1608-1R2□	1.2	K,M	35	10	65	0.80	25
17	JCI 1608-1R5□	1.5	K,M	35	10	60	0.80	25
18	JCI 1608-1R8□	1.8	K,M	35	10	55	0.95	25
19	JCI 1608-2R2□	2.2	K,M	35	10	50	1.15	15
20	JCI 1608-2R7□	2.7	K,M	35	10	45	1.35	15
21	JCI 1608-3R3□	3.3	K,M	35	10	40	1.55	15
22	JCI 1608-3R9□	3.9	K,M	35	10	35	1.70	15
23	JCI 1608-4R7□	4.7	K,M	35	10	33	2.10	15
24	JCI 1608-5R6□	5.6	K,M	35	4	22	1.55	5
25	JCI 1608-6R8□	6.8	K,M	35	4	20	1.70	5
26	JCI 1608-8R2□	8.2	K,M	35	4	18	2.10	5
27	JCI 1608-100□	10.0	K,M	30	2	17	1.85	3

□ : Tolerance : K = $\pm 10\%$; M = $\pm 20\%$

No.	Part No.	Inductance (μ H)	Tolerance	Thickness mm	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 2012-47NM	0.047	M	0.90 ± 0.2	15	50	320	0.20	300
2	JCI 2012-68NM	0.068	M	0.90 ± 0.2	15	50	280	0.20	300
3	JCI 2012-82NM	0.082	M	0.90 ± 0.2	15	50	255	0.20	300
4	JCI 2012-R10□	0.100	K,M	0.90 ± 0.2	20	25	235	0.30	250
5	JCI 2012-R12□	0.120	K,M	0.90 ± 0.2	20	25	220	0.30	250
6	JCI 2012-R15□	0.150	K,M	0.90 ± 0.2	20	25	200	0.40	250
7	JCI 2012-R18□	0.180	K,M	0.90 ± 0.2	20	25	185	0.40	250
8	JCI 2012-R22□	0.220	K,M	0.90 ± 0.2	20	25	170	0.50	250
9	JCI 2012-R27□	0.270	K,M	0.90 ± 0.2	20	25	150	0.50	250
10	JCI 2012-R33□	0.330	K,M	0.90 ± 0.2	20	25	145	0.55	250
11	JCI 2012-R39□	0.390	K,M	0.90 ± 0.2	25	25	135	0.65	200
12	JCI 2012-R47□	0.470	K,M	0.90 ± 0.2	25	25	125	0.65	200
13	JCI 2012-R56□	0.560	K,M	0.90 ± 0.2	25	25	115	0.75	150
14	JCI 2012-R68□	0.680	K,M	0.90 ± 0.2	25	25	105	0.80	150
15	JCI 2012-R82□	0.820	K,M	0.90 ± 0.2	25	25	100	1.00	150
16	JCI 2012-1R0□	1.000	K,M	0.90 ± 0.2	45	10	75	0.40	50
17	JCI 2012-1R2□	1.200	K,M	0.90 ± 0.2	45	10	65	0.50	50
18	JCI 2012-1R5□	1.500	K,M	0.90 ± 0.2	45	10	60	0.50	50
19	JCI 2012-1R8□	1.800	K,M	0.90 ± 0.2	45	10	55	0.60	50
20	JCI 2012-2R2□	2.200	K,M	0.90 ± 0.2	45	10	50	0.65	30
21	JCI 2012-2R7□	2.700	K,M	1.20 ± 0.2	45	10	45	0.75	30
22	JCI 2012-3R3□	3.300	K,M	1.20 ± 0.2	45	10	41	0.80	30
23	JCI 2012-3R9□	3.900	K,M	1.20 ± 0.2	45	10	38	0.90	30
24	JCI 2012-4R7□	4.700	K,M	1.20 ± 0.2	45	10	35	1.00	30
25	JCI 2012-5R6□	5.600	K,M	1.20 ± 0.2	50	4	32	0.90	15
26	JCI 2012-6R8□	6.800	K,M	1.20 ± 0.2	50	4	29	1.00	15
27	JCI 2012-8R2□	8.200	K,M	1.20 ± 0.2	50	2	26	1.10	15
28	JCI 2012-100□	10.000	K,M	1.20 ± 0.2	50	2	24	1.15	15
29	JCI 2012-120□	12.000	K,M	1.20 ± 0.2	50	2	22	1.25	15
30	JCI 2012-150□	15.000	K,M	1.20 ± 0.2	30	1	19	0.80	5
31	JCI 2012-180□	18.000	K,M	1.25 ± 0.2	30	1	18	0.90	5
32	JCI 2012-220□	22.000	K,M	1.25 ± 0.2	30	1	16	1.10	5
33	JCI 2012-270□	27.000	K,M	1.25 ± 0.2	30	1	14	1.15	5
34	JCI 2012-330□	33.00	K,M	1.25 ± 0.2	30	0.4	13	1.25	5

Please notes JCI 2012 series thickness, there are three types of thickness in this series.

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No.	Part No.	Inductance (μ H)	Tolerance	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	JCI 3216-47NM	0.047	M	20	50	320	0.15	300
2	JCI 3216-68NM	0.068	M	20	50	280	0.25	300
3	JCI 3216-82NM	0.082	M	20	50	255	0.25	300
4	JCI 3216-R10□	0.100	K,M	20	25	235	0.25	250
5	JCI 3216-R12□	0.120	K,M	20	25	220	0.30	250
6	JCI 3216-R15□	0.150	K,M	20	25	200	0.30	250
7	JCI 3216-R18□	0.180	K,M	20	25	185	0.40	250
8	JCI 3216-R22□	0.220	K,M	20	25	170	0.40	250
9	JCI 3216-R27□	0.270	K,M	20	25	150	0.50	250
10	JCI 3216-R33□	0.330	K,M	20	25	145	0.60	250
11	JCI 3216-R39□	0.390	K,M	25	25	135	0.50	200
12	JCI 3216-R47□	0.470	K,M	25	25	125	0.60	200
13	JCI 3216-R56□	0.560	K,M	25	25	115	0.70	150
14	JCI 3216-R68□	0.680	K,M	25	25	105	0.80	150
15	JCI 3216-R82□	0.820	K,M	25	25	100	0.90	150
16	JCI 3216-1R0□	1.000	K,M	45	10	75	0.40	100
17	JCI 3216-1R2□	1.200	K,M	45	10	65	0.50	100
18	JCI 3216-1R5□	1.500	K,M	45	10	60	0.50	50
19	JCI 3216-1R8□	1.800	K,M	45	10	55	0.50	50
20	JCI 3216-2R2□	2.200	K,M	45	10	50	0.60	50
21	JCI 3216-2R7□	2.700	K,M	45	10	45	0.60	50
22	JCI 3216-3R3□	3.300	K,M	45	10	41	0.70	50
23	JCI 3216-3R9□	3.900	K,M	45	10	38	0.80	50
24	JCI 3216-4R7□	4.700	K,M	45	10	35	0.90	50
25	JCI 3216-5R6□	5.600	K,M	50	4	32	0.70	25
26	JCI 3216-6R8□	6.800	K,M	50	4	29	0.80	25
27	JCI 3216-8R2□	8.200	K,M	50	4	26	0.90	25
28	JCI 3216-100□	10.000	K,M	50	2	24	1.00	25
29	JCI 3216-120□	12.000	K,M	50	2	22	1.05	15
30	JCI 3216-150□	15.000	K,M	35	1	19	0.70	5
31	JCI 3216-180□	18.000	K,M	35	1	18	0.70	5
32	JCI 3216-220□	22.000	K,M	35	1	16	0.90	5
33	JCI 3216-270□	27.000	K,M	35	1	14	0.90	5
34	JCI 3216-330□	33.000	K,M	35	0.4	13	1.05	5

□ : Tolerance : K = $\pm 10\%$; M = $\pm 20\%$