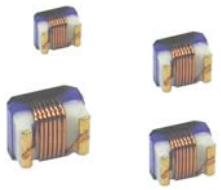
JANTEK High-Frequency Wound Chip Inductor-*JWI-C series*



PRODUCT IDENTIFICATION

JWI 0402 □ – 7N5 □

Type Size Inductance Tolerance

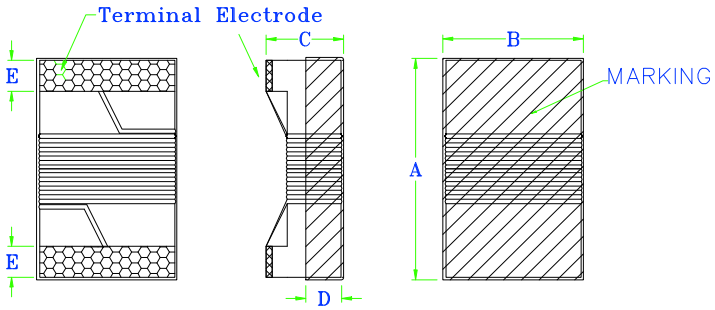
F: Ferrite
C:Ceramic

FEATURES

◆JWI1008C/F inductance is from 3.3nH to 47uH
◆High reliability and easy surface mount assembly
◆Consisting of size 0402~1210 sizes
◆High quality factor

APPLICATIONS

◆Computer products, mother board, TV card
◆Power supplier, OA products, modem….
◆Telecommunication
(ADSL,mobilephone,bluetooth)
◆Compliance with CE,
FCC, VDE or VCCI radiated emissions



DIMENSIONS (mm)

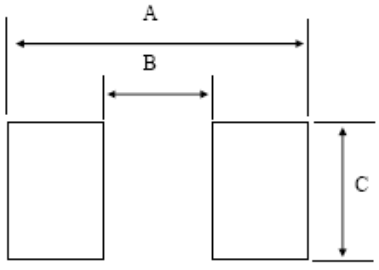
No.	Part No.	Size (mm)				
		A	B	C	D	E
1	JWI 0402C	1.0 ± 0.10	0.55 ± 0.10	0.50 ± 0.10	0.2 Ref.	0.20 ± 0.10
2	JWI 0603C	1.6 ± 0.20	1.05 ± 0.20	1.05 ± 0.20	0.5 Ref.	0.35 ± 0.10
3	JWI 0805C/F	2.0 ± 0.20	1.25 ± 0.20	1.20 ± 0.20	0.6 Ref.	0.40 ± 0.10
4	JWI 1008C/F	2.5 ± 0.20	2.00 ± 0.20	1.60 ± 0.20	0.7 Ref.	0.50 ± 0.10
5	JWI 1210C/F	3.2 ± 0.20	2.50 ± 0.20	2.20 ± 0.20	1.1 Ref.	0.50 ± 0.10

Material Type : C = Ceramic Material ; F = Ferrite Material

RECOMMENDED PATTERN

Part No.	A	B	C
JWI 0402C	1.20	0.45	0.65
JWI 0603C	1.90	0.65	1.00
JWI 0805C/F	2.60	0.75	1.30
JWI 1008C/F	3.00	1.20	2.20
JWI 1210C/F	4.00	1.70	2.82

Recommended Pattern



PACKAGE

Type	JWI 0402C	JWI 0603C	JWI 0805C/F	JWI 1008C/F	JWI 1210C/F
Q'TY/Reel	10,000	3,000	2,000	2,000	2,000

JANTEK

High-Frequency Wound Chip Inductor-*JWI 0402C*

No.	Part No.	Inductance (nH)	Q Min.	Typical 900MHz	Test Fq. (MHz)	SRF Min.(GHz)	RDC Max.(Ω)	IDC Max.(mA)
1	JWI 0402C-1N0S	1.0	13	26	250	6.00	0.045	1360
2	JWI 0402C-1N9S	1.9	16	29	250	6.00	0.070	1040
3	JWI 0402C-2N0S	2.0	16	30	250	6.00	0.070	1040
4	JWI 0402C-2N2S	2.2	18	32	250	6.00	0.070	960
5	JWI 0402C-2N4S	2.4	16	35	250	6.00	0.068	790
6	JWI 0402C-2N7S	2.7	16	31	250	6.00	0.120	860
7	JWI 0402C-3N3S	3.3	20	41	250	6.00	0.066	840
8	JWI 0402C-3N6S	3.6	20	43	250	6.00	0.066	840
9	JWI 0402C-3N9S	3.9	20	41	250	5.80	0.066	840
10	JWI 0402C-4N3□	4.3	18	45	250	6.00	0.091	700
11	JWI 0402C-4N7□	4.7	15	45	250	4.77	0.130	640
12	JWI 0402C-5N1□	5.1	23	49	250	5.80	0.083	800
13	JWI 0402C-5N6□	5.6	23	46	250	5.80	0.083	760
14	JWI 0402C-6N2□	6.2	23	49	250	5.80	0.083	760
15	JWI 0402C-6N8□	6.8	20	50	250	4.80	0.083	680
16	JWI 0402C-7N5□	7.5	25	50	250	5.80	0.104	680
17	JWI 0402C-8N2□	8.2	25	49	250	4.40	0.104	680
18	JWI 0402C-8N7□	8.7	18	50	250	4.10	0.200	480
19	JWI 0402C-9N0□	9.0	25	49	250	4.16	0.104	680
20	JWI 0402C-9N5□	9.5	18	45	250	4.00	0.200	680
21	JWI 0402C-10N□	10.0	23	47	250	3.90	0.195	480
22	JWI 0402C-11N□	11.0	26	56	250	3.68	0.120	640
23	JWI 0402C-12N□	12.0	26	51	250	3.60	0.120	640
24	JWI 0402C-13N□	13.0	24	54	250	3.45	0.210	560
25	JWI 0402C-15N□	15.0	26	54	250	3.28	0.172	560
26	JWI 0402C-16N□	16.0	24	54	250	3.10	0.220	560
27	JWI 0402C-18N□	18.0	25	52	250	3.10	0.230	520
28	JWI 0402C-19N□	19.0	26	50	250	3.04	0.202	480
29	JWI 0402C-20N□	20.0	25	51	250	3.00	0.250	420
30	JWI 0402C-22N□	22.0	25	52	250	2.80	0.300	400
31	JWI 0402C-23N□	23.0	26	53	250	2.72	0.214	400
32	JWI 0402C-24N□	24.0	25	51	250	2.70	0.300	400
33	JWI 0402C-27N□	27.0	26	48	250	2.48	0.298	400
34	JWI 0402C-30N□	30.0	25	46	250	2.35	0.300	400
35	JWI 0402C-33N□	33.0	24	48	250	2.35	0.350	400
36	JWI 0402C-36N□	36.0	26	48	250	2.32	0.403	320
37	JWI 0402C-39N□	39.0	25	45	250	2.10	0.550	320
38	JWI 0402C-40N□	40.0	26	48	250	2.24	0.438	320
39	JWI 0402C-43N□	43.0	25	46	250	2.03	0.810	240
40	JWI 0402C-47N□	47.0	26	46	200	2.10	0.830	210
41	JWI 0402C-51N□	51.0	25	40	200	1.75	0.820	210
42	JWI 0402C-56N□	56.0	22	42	200	1.76	0.970	200
43	JWI 0402C-68N□	68.0	22	36	200	1.62	1.120	180
44	JWI 0402C-82N□	82.0	20	33	150	1.50	1.250	150
45	JWI 0402C-91N□	91.0	20	30	150	1.35	2.300	120
46	JWI 0402C-R10□	100.0	20	30	150	1.30	2.520	120
47	JWI 0402C-R12□	120.0	20	29	150	1.10	2.660	110

□ : Tolerance : B = ± 0.2nH ; S = ± 0.3nH ; G = ± 2% ; J = ± 5% ; K = ± 10%