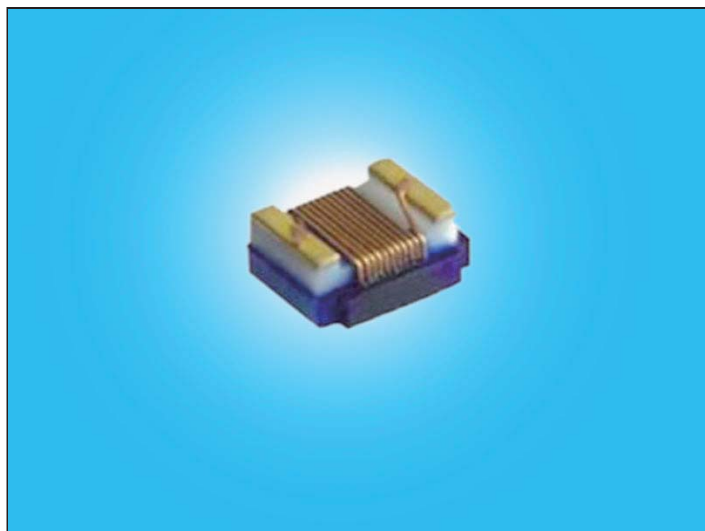


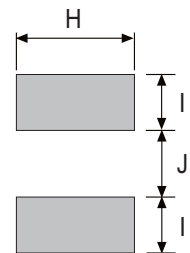
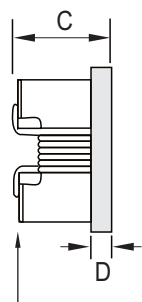
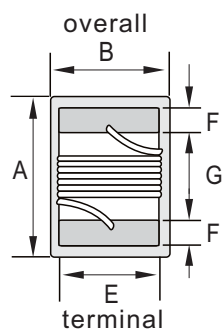
Wire Wound Ceramic Chip Inductor



Features and Applications

- Excellent solderability and resistance to soldering heat.
- Suitable for flow and reflow soldering.
- Standard dimensions, high reliability, and easy surface mount assembly.
- Mobile phones, Portable/Cordless phones, etc.

Dimensions (Unit:mm)



Terminal wraparound:
approx 0.010/0.25 both ends.

Recommended Land Pattern

Type	A(Max)	B(Max)	C(Max)	D(Max)	E(Max)	F(Max)	G(Max)	H(Ref.)	I(Ref.)	J(Ref.)
HWI0402	1.27	0.76	0.61	0.15	0.51	0.23	0.56	0.66	0.5	0.46
HWI0603	1.8	1.32	1.12	0.38	0.76	0.33	0.86	1.02	0.64	0.64
HWI0805	2.29	1.91	1.6	0.58	1.27	0.51	1.02	1.78	1.02	0.76
HWI1008	2.92	2.79	2.03	0.51	2.03	0.51	1.52	2.54	1.02	1.27
HWI1210	3.56	2.9	2.25	0.64	2.11	0.51	2.02	2.54	1.02	1.27

•Inductance Tolerance(B:±0.2nH, S:±0.3nH, G:±2%,J:±5%, K:±10%.)

Electrical Specifications-HWI0402

P/N	L (nH)	Tolerance	Q (Min)	L/Q Test Freq. (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
HWI0402-1N0	1	B,S	13	250	6000	0.045	1360
HWI0402-2N0	2	B,S	16	250	6000	0.07	1040
HWI0402-2N2	2.2	B,S	18	250	6000	0.07	960
HWI0402-3N3	3.3	B,S	20	250	6000	0.066	840
HWI0402-3N6	3.6	J,K	20	250	6000	0.066	840
HWI0402-3N9	3.9	J,K	20	250	5800	0.066	840
HWI0402-5N1	5.1	B,J,K	23	250	5800	0.083	800
HWI0402-5N6	5.6	B,J,K	23	250	5800	0.083	760
HWI0402-6N2	6.2	B,J,K	23	250	5800	0.083	760
HWI0402-7N5	7.5	B,J,K	25	250	5800	0.104	680
HWI0402-8N2	8.2	B,J,K	25	250	4400	0.104	680
HWI0402-9N0	9	B,J,K	25	250	4160	0.104	680
HWI0402-10N	10	G,J,K	23	250	3900	0.195	480
HWI0402-11N	11	G,K	26	250	3680	0.12	640
HWI0402-12N	12	G,K	26	250	3600	0.12	640
HWI0402-15N	15	G,K	26	250	3280	0.172	560
HWI0402-19N	19	G,K	26	250	3040	0.202	480
HWI0402-23N	23	G,K	26	250	2720	0.214	400
HWI0402-27N	27	G,K	26	250	2480	0.298	400
HWI0402-36N	36	G,K	26	250	2320	0.403	320
HWI0402-40N	40	G,K	26	250	2240	0.438	320
HWI0402-47N	47	G,K	26	200	2100	0.83	150

Electrical Specifications-HWI0603

P/N	L (nH)	Tolerance	Q (Min)	L/Q Test Freq. (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)	Q @900M Hz
HWI0603-2N0	2	B,S	16	250	6900	0.08	700	31
HWI0603-3N9	3.9	B,S	22	250	6900	0.08	700	51
HWI0603-4N7	4.7	B,S	20	250	5800	0.13	700	47
HWI0603-6N8	6.8	B,J,K	30	250	5800	0.11	700	63
HWI0603-8N2	8.2	B,J,K	30	250	4600	0.1	700	72
HWI0603-10N	10	G,J,K	30	250	3800	0.13	700	66
HWI0603-12N	12	G,J,K	35	250	4000	0.13	700	72
HWI0603-15N	15	G,J,K	35	250	4000	0.17	700	68
HWI0603-18N	18	G,J,K	38	250	3100	0.17	700	77
HWI0603-22N	22	G,J,K	38	250	3000	0.22	700	70
HWI0603-27N	27	G,J,K	40	250	2800	0.22	600	75
HWI0603-33N	33	G,J,K	43	250	2300	0.22	600	78
HWI0603-39N	39	G,J,K	43	250	2200	0.25	600	66
HWI0603-47N	47	G,J,K	40	200	2000	0.28	600	65
HWI0603-56N	56	G,J,K	40	200	1900	0.31	600	66
HWI0603-68N	68	G,J,K	40	200	1700	0.34	600	57
HWI0603-72N	72	G,J,K	35	150	1700	0.49	400	60
HWI0603-82N	82	G,J,K	35	150	1700	0.54	400	58
HWI0603-R10	100	G,J,K	35	150	1400	0.63	400	51
HWI0603-R12	120	G,J,K	35	150	1300	0.65	300	45
HWI0603-R15	150	G,J,K	35	150	1000	0.92	280	33
HWI0603-R18	180	G,J,K	30	100	1000	1.25	240	25
HWI0603-R22	220	G,J,K	30	100	1000	1.7	200	25
HWI0603-R27	270	G,J,K	30	100	1000	1.8	170	26
HWI0603-R33	330	G,J,K	25	100	900	3.89	100	25

Electrical Specifications-HWI0805

P/N	L (nH)	Tolerance	Q (Min)	Test Freq.(MHz)		SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
				L	Q			
HWI0805-2N2	2.2	B,S	50	250	1000	6000	0.06	800
HWI0805-2N7	2.7	B,S	35	250	1000	6000	0.08	800
HWI0805-3N3	3.3	B,S	60	250	1000	6000	0.08	800
HWI0805-3N9	3.9	B,S	60	250	1000	6000	0.06	600
HWI0805-4N7	4.7	B,S	60	250	1000	5800	0.06	600
HWI0805-5N6	5.6	B,J,K	60	250	1000	5800	0.08	600
HWI0805-6N8	6.8	B,J,K	60	250	1000	5500	0.06	600
HWI0805-8N2	8.2	B,J,K	60	250	1000	5500	0.06	600
HWI0805-10N	10	G,J,K	60	250	500	4800	0.08	600
HWI0805-12N	12	G,J,K	60	250	500	4100	0.08	600
HWI0805-15N	15	G,J,K	60	250	500	3600	0.08	600
HWI0805-18N	18	G,J,K	60	250	500	3400	0.08	600
HWI0805-22N	22	G,J,K	60	250	500	3300	0.1	600
HWI0805-27N	27	G,J,K	60	250	500	2600	0.12	600
HWI0805-33N	33	G,J,K	60	250	500	2400	0.15	600
HWI0805-39N	39	G,J,K	60	250	500	2100	0.18	600
HWI0805-47N	47	G,J,K	60	200	500	1700	0.15	500
HWI0805-56N	56	G,J,K	60	200	500	1600	0.25	500
HWI0805-68N	68	G,J,K	60	200	500	1450	0.27	500
HWI0805-82N	82	G,J,K	60	150	500	1350	0.32	500
HWI0805-R10	100	G,J,K	60	150	500	1200	0.43	500
HWI0805-R12	120	G,J,K	60	150	250	1100	0.48	500
HWI0805-R15	150	G,J,K	50	100	250	950	0.56	400
HWI0805-R18	180	G,J,K	50	100	250	900	0.78	400

Electrical Specifications-HWI0805

P/N	L (nH)	Tolerance	Q (Min)	Test Freq.(MHz)		SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
				L	Q			
HWI0805-R22	220	G,J,K	50	100	250	860	1	400
HWI0805-R27	270	G,J,K	45	100	250	850	1.46	350
HWI0805-R33	330	G,J,K	45	100	250	800	1.65	300
HWI0805-R39	390	G,J,K	45	100	250	780	2.2	210
HWI0805-R47	470	J,K	45	25.2	100	375	0.95	500
HWI0805-R56	560	J,K	45	25.2	100	340	1.1	450
HWI0805-R68	680	J,K	35	25.2	100	188	1.2	400
HWI0805-R82	820	J,K	35	25.2	100	215	1.5	300
HWI0805-1R0	1000	J,K	35	25.2	50	200	2.13	180
HWI0805-1R2	1200	J,K	15	7.96	7.96	200	2.38	150
HWI0805-1R5	1500	J,K	15	7.96	7.96	200	2.9	130
HWI0805-1R8	1800	J,K	15	7.96	7.96	120	3	120
HWI0805-2R2	2200	J,K	15	7.96	7.96	110	3.1	110
HWI0805-2R7	2700	J,K	15	7.96	7.96	100	3.5	100
HWI0805-3R3	3300	J,K	15	7.96	7.96	70	2.3	210
HWI0805-3R9	3900	J,K	15	7.96	7.96	60	2.5	200
HWI0805-4R7	4700	J,K	15	7.96	7.96	50	2.8	180
HWI0805-5R6	5600	J,K	15	7.96	7.96	45	3	160
HWI0805-6R8	6800	J,K	15	7.96	7.96	45	3.2	130
HWI0805-8R2	8200	J,K	15	7.96	7.96	40	3.5	120
HWI0805-100	10000	J,K	15	2.52	2.52	40	5	80

Electrical Specifications-HWI1008

P/N	L (nH)	Tolerance	Q (Min)	Test Freq.(MHz)		SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
				L	Q			
HWI1008-3N3	3.3	B,S	50	100	1000	6000	0.06	1000
HWI1008-6N8	6.8	B,J,K	50	100	1000	5500	0.06	1000
HWI1008-8N2	8.2	B,J,K	50	100	1000	5500	0.06	1000
HWI1008-10N	10	G,J,K	50	100	1000	4300	0.08	1000
HWI1008-12N	12	G,J,K	60	100	500	3600	0.08	1000
HWI1008-15N	15	G,J,K	60	100	500	2700	0.08	1000
HWI1008-18N	18	G,J,K	60	100	350	2700	0.1	1000
HWI1008-22N	22	G,J,K	60	100	350	2500	0.1	1000
HWI1008-27N	27	G,J,K	60	100	350	1800	0.1	1000
HWI1008-33N	33	G,J,K	60	100	350	1700	0.1	1000
HWI1008-39N	39	G,J,K	60	100	350	1500	0.1	1000
HWI1008-47N	47	G,J,K	60	100	350	1500	0.1	1000
HWI1008-56N	56	G,J,K	60	100	350	1350	0.12	1000
HWI1008-68N	68	G,J,K	60	100	350	1300	0.15	1000
HWI1008-82N	82	B,J,K	60	100	350	1100	0.18	1000
HWI1008-R10	100	G,J,K	60	100	350	1100	0.18	1000
HWI1008-R12	120	G,J,K	45	25	100	950	0.2	800
HWI1008-R15	150	G,J,K	45	25	100	880	0.22	800
HWI1008-R18	180	G,J,K	45	25	100	800	0.33	800
HWI1008-R22	220	G,J,K	45	25	100	730	0.45	800
HWI1008-R27	270	G,J,K	45	25	100	650	0.75	600
HWI1008-R33	330	G,J,K	45	25	100	570	0.9	500
HWI1008-R39	390	G,J,K	45	25	100	530	1.06	470
HWI1008-R47	470	G,J,K	45	25	100	480	1.17	420
HWI1008-R56	560	G,J,K	45	25	100	430	1.5	310
HWI1008-R68	680	G,J,K	45	25	100	380	2.06	230
HWI1008-R75	750	G,J,K	45	25	100	360	2.2	200
HWI1008-R82	820	G,J,K	45	25	100	350	2.3	180
HWI1008-R91	910	G,J,K	45	25	100	330	3.18	150
HWI1008-1R0	1000	G,J,K	35	25	50	310	3.3	120

Electrical Specifications-HWI1210

P/N	L (nH)	Tolerance	Q (Min)	Test Freq.(MHz)		SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
				L	Q			
HWI1210-4N7	4.7	B,S	50	100	1000	6000	0.06	1000
HWI1210-5N6	5.6	B,J,K	50	100	1000	5500	0.08	1000
HWI1210-10N	10	G,J,K	60	100	500	4000	0.06	1000
HWI1210-12N	12	G,J,K	60	100	500	3400	0.06	1000
HWI1210-15N	15	G,J,K	60	100	500	3200	0.06	1000
HWI1210-18N	18	G,J,K	60	100	300	2800	0.06	1000
HWI1210-22N	22	G,J,K	60	100	300	2300	0.08	1000
HWI1210-27N	27	G,J,K	60	100	300	2000	0.08	1000
HWI1210-33N	33	G,J,K	60	100	300	1800	0.08	1000
HWI1210-39N	39	G,J,K	60	100	300	1800	0.08	1000
HWI1210-47N	47	G,J,K	60	100	300	1600	0.08	1000
HWI1210-56N	56	G,J,K	60	100	300	1500	0.1	1000
HWI1210-68N	68	G,J,K	60	100	300	1300	0.1	1000
HWI1210-82N	82	G,J,K	60	100	300	1200	0.1	1000
HWI1210-R10	100	G,J,K	60	100	300	1100	0.1	1000
HWI1210-R12	120	G,J,K	60	50	300	900	0.12	800
HWI1210-R15	150	G,J,K	60	50	300	800	0.18	800
HWI1210-R18	180	G,J,K	60	50	300	760	0.21	800
HWI1210-R22	220	G,J,K	60	50	300	660	0.27	800
HWI1210-R27	270	G,J,K	50	50	300	600	0.33	700
HWI1210-R33	330	G,J,K	50	50	100	550	0.37	650
HWI1210-R39	390	G,J,K	50	50	100	500	0.63	600
HWI1210-R47	470	G,J,K	50	50	100	450	0.69	550
HWI1210-R56	560	G,J,K	50	50	100	400	0.9	450
HWI1210-R68	680	G,J,K	50	25	100	380	1.05	400
HWI1210-R82	820	G,J,K	50	25	100	350	1.45	350
HWI1210-1R0	1000	G,J,K	45	25	100	300	1.9	280
HWI1210-1R2	1200	G,J,K	45	7.96	50	300	2.2	250
HWI1210-1R5	1500	G,J,K	45	7.96	50	250	2.43	220
HWI1210-1R8	1800	G,J,K	45	7.96	50	200	3.36	180
HWI1210-2R2	2200	G,J,K	40	7.96	50	200	3.5	150