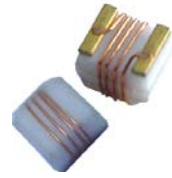


片式陶瓷体绕线电感—HWI-C系列

Chip Wire Wound Ceramic Inductor — HWI-C Series

Operating Temp.: -40°C ~ +125°C



特征

- 小尺寸，可表面贴装。
- 陶瓷材料具有高 Q 值、高自谐频率、高精度的特点。

FEATURES

- Small chip suitable for surface mounting.
- High Q value and high self-resonant frequency with ceramic material, tight inductance tolerance.

用途

- 通讯设备的高频线路。
- 移动电话、DVD、PDA、MP3、MP4等。
- 蓝牙，无线网。

APPLICATIONS

- High frequency circuit in telecommunication and other electronic equipments.
- Mobile phone, DVD, PDA, MP3, MP4, etc.
- Bluetooth, W-LAN.

产品型号

PRODUCT IDENTIFICATION

HWI

①

0603

②

U

③

C

④

10N

⑤

J

⑥

G

⑦

T

⑧

F

⑨

①

分类 Type	
HWI	绕线片式电感 Chip Wire Wound Ceramic Inductor

②

外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)	
1005[0402]	1.0×0.5
1608[0603]	1.6×0.8
2012[0805]	2.0×1.25
2520[1008]	2.5×2.0
3216[1206]	3.2×1.6

③

磁芯形状 SHAPE	
U	U型陶瓷体磁芯
H	H型陶瓷体磁芯

④

磁芯材料 Core Material	
C:	陶瓷体磁芯 Ceramic core
F:	铁氧体磁芯 Ferrite core

⑤

公称电感量 Nominal Inductance	
Example	Nominal Value
10N	10nH
R10	100nH
1R0	1.0μH
100	10μH

⑥

电感公差 Inductance Tolerance	
F	±1%
G	±2%
J	±5%
K	±10%
M	±20%

⑦

端电极材料 terminal core	
G	镀金
S	镀锡

⑧

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

⑨

无有害物质产品 Hazardous Substance Free Products	
F	

外观尺寸

SHAPE AND DIMENSIONS

<p>HW0805/1008 Type</p>	<p>HWI0402/0603 /1206Type</p>
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Unit :mm

Series	A Max.	B Max.	C Max.	D Typ.	E Typ.	F Typ.	G Typ.	H Typ.	I Typ.	J Typ.
HWI0402	1.19	0.64	0.66	0.25	0.51	0.23	0.56	0.66	0.36	0.46
HWI0603	1.60	1.00	0.97	/	0.76	0.33	0.86	1.02	0.64	0.64
HWI0805	2.29	1.68	1.55	0.51	1.27	0.50	1.03	1.78	1.02	0.76
HWI1008	2.92	2.79	2.29	0.51	2.00	0.50	1.43	2.54	1.02	1.27
HWI1206	3.56	2.16	1.52	0.51	1.60	0.50	2.20	1.93	1.02	1.78

HWI0402HC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI0402HC1N0□ST	1.0	K	16	250	12700	0.045	1360
HWI0402HC1N9□ST	1.9	K, J	16	250	11000	0.070	1040
HWI0402HC2N0□ST	2.0	K, J	16	250	11000	0.070	1040
HWI0402HC2N2□ST	2.2	K, J	19	250	10800	0.070	960
HWI0402HC2N4□ST	2.4	K, J	15	250	10500	0.070	790
HWI0402HC2N7□ST	2.7	K, J	16	250	10400	0.120	640
HWI0402HC3N3□ST	3.3	K, J, G	19	250	7000	0.066	840
HWI0402HC3N6□ST	3.6	K, J, G	19	250	6800	0.066	840
HWI0402HC3N9□ST	3.9	K, J, G	19	250	5800	0.066	840
HWI0402HC4N3□ST	4.3	K, J, G	18	250	6000	0.091	700
HWI0402HC4N7□ST	4.7	K, J, G	18	250	4800	0.130	640
HWI0402HC5N1□ST	5.1	K, J, G	20	250	4800	0.083	800
HWI0402HC5N6□ST	5.6	K, J, G	20	250	4800	0.083	760
HWI0402HC6N2□ST	6.2	K, J, G	20	250	4800	0.083	760
HWI0402HC6N8□ST	6.8	K, J, G	20	250	4800	0.083	680
HWI0402HC7N5□ST	7.5	K, J, G	22	250	4800	0.104	680
HWI0402HC8N2□ST	8.2	K, J, G	22	250	4400	0.104	680
HWI0402HC8N7□ST	8.7	K, J, G	18	250	4200	0.200	480
HWI0402HC9N0□ST	9.0	K, J, G	22	250	4160	0.104	680
HWI0402HC9N5□ST	9.5	K, J, G	18	250	4000	0.200	480
HWI0402HC10N□ST	10	K, J, G	21	250	3900	0.195	480
HWI0402HC11N□ST	11	K, J, G	24	250	3680	0.120	640
HWI0402HC12N□ST	12	K, J, G	24	250	3600	0.120	640
HWI0402HC13N□ST	13	K, J, G	24	250	3450	0.210	440
HWI0402HC15N□ST	15	K, J, G	24	250	3280	0.172	560
HWI0402HC16N□ST	16	K, J, G	24	250	3100	0.220	560
HWI0402HC18N□ST	18	K, J, G	25	250	3100	0.230	420
HWI0402HC19N□ST	19	K, J, G	24	250	3040	0.202	480
HWI0402HC20N□ST	20	K, J, G	25	250	3000	0.250	420
HWI0402HC22N□ST	22	K, J, G	25	250	2800	0.300	400
HWI0402HC23N□ST	23	K, J, G	24	250	2720	0.300	400
HWI0402HC24N□ST	24	K, J, G	25	250	2700	0.300	400
HWI0402HC27N□ST	27	K, J, G	24	250	2480	0.300	400
HWI0402HC30N□ST	30	K, J, G	25	250	2350	0.350	400
HWI0402HC33N□ST	33	K, J, G	24	250	2350	0.350	400
HWI0402HC36N□ST	36	K, J, G	24	250	2320	0.440	320

※ □: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI0402HC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI0402HC39N□ST	39	K, J, G	25	250	2100	0.550	250
HWI0402HC40N□ST	40	K, J, G	24	250	2240	0.500	200
HWI0402HC43N□ST	43	K, J, G	25	250	2030	0.810	100
HWI0402HC47N□-ST	47	K, J, G	25	250	2100	0.830	150
HWI0402HC51N□ST	51	K, J, G	25	250	1750	0.820	100
HWI0402HC56N□ST	56	K, J, G	25	250	1760	0.970	100
HWI0402HC68N□ST	68	K, J, G	22	250	1620	1.120	100
HWI0402HC82N□ST	82	J	25	50	2000	2.700	130
HWI0402HCR10□ST	100	J	24	50	1100	2.800	110
HWI0402HCR12□ST	120	J	22	50	1000	3.500	100

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI0603HC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI0603HC1N8□GT	1.8	K, M	16	250	6000	0.045	700
HWI0603HC3N9□GT	3.9	K, J	20	250	6000	0.080	700
HWI0603HC6N8□GT	6.8	K, J	25	250	5800	0.110	700
HWI0603HC10N□GT	10	K, J	30	250	4800	0.130	700
HWI0603HC12N□GT	12	K, J	30	250	4000	0.130	700
HWI0603HC15N□GT	15	K, J	30	250	4000	0.170	700
HWI0603HC18N□GT	18	K, J	30	250	3200	0.170	700
HWI0603HC22N□GT	22	K, J	35	250	3000	0.190	700
HWI0603HC27N□GT	27	K, J	35	250	2800	0.220	600
HWI0603HC33N□GT	33	K, J	35	250	2300	0.220	600
HWI0603HC39N□GT	39	K, J	35	250	2200	0.250	600
HWI0603HC47N□GT	47	K, J	35	200/250	2100	0.280	600
HWI0603HC56N□GT	56	K, J	35	200/250	2000	0.310	600
HWI0603HC68N□GT	68	K, J	35	200/250	1850	0.340	600
HWI0603HC72N□GT	72	K, J	35	150/250	1700	0.490	400
HWI0603HC82N□GT	82	K, J	35	150/250	1700	0.540	400
HWI0603HCR10□GT	100	K, J	35	150/250	1500	0.710	400
HWI0603HCR11□GT	110	K, J	35	150/250	1400	0.750	300
HWI0603HCR12□GT	120	K, J	35	150/250	1350	0.790	300
HWI0603HCR15□GT	150	G, J, K, M	28	150	1200	0.920	280
HWI0603HCR18□GT	180	G, J, K, M	25	100	1100	1.250	240
HWI0603HCR22□GT	220	J, K, M	25	100	1000	1.500	200
HWI0603HCR27□GT	270	J, K, M	25	100	860	1.800	170
HWI0603HCR33□GT	330	J, K, M	24	100	600	2.000	150
HWI0603HCR39□GT	390	J, K, M	23	100	460	2.100	120

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI0805UC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI0805UC2N2□GT	2.2	K, J	50	250/1500	6000	0.05	600
HWI0805UC3N3□GT	3.3	K, J	25	250/1500	6000	0.20	600
HWI0805UC6N8□GT	6.8	K, J	50	250/1000	5500	0.11	600
HWI0805UC8N2□GT	8.2	K, J	50	250/1000	4700	0.12	600
HWI0805UC12N□GT	12	K, J	50	250/500	4000	0.15	600
HWI0805UC15N□GT	15	K, J	50	250/500	3400	0.17	600
HWI0805UC18N□GT	18	K, J	50	250/500	3300	0.20	600
HWI0805UC22N□GT	22	K, J, G	55	250/500	2600	0.22	500
HWI0805UC27N□GT	27	K, J, G	55	250/500	2500	0.25	500
HWI0805UC33N□GT	33	K, J, G	55	250/500	2500	0.27	500
HWI0805UC39N□GT	39	K, J, G	60	250/500	2000	0.29	500
HWI0805UC47N□GT	47	K, J, G	60	200/500	1650	0.31	500
HWI0805UC56N□GT	56	K, J, G, F	60	200/500	1550	0.34	500
HWI0805UC68N□GT	68	K, J, G, F	60	200/500	1450	0.38	500
HWI0805UC82N□GT	82	K, J, G, F	60	150/500	1300	0.42	400
HWI0805UCR10□GT	100	K, J, G, F	55	150/500	1200	0.46	400
HWI0805UCR12□GT	120	K, J, G, F	50	150/250	1100	0.51	400
HWI0805UCR15□GT	150	K, J, G, F	50	100/250	920	0.56	400
HWI0805UCR18□GT	180	K, J, G, F	50	100/250	870	0.64	400
HWI0805UCR22□GT	220	K, J	50	100/250	850	1.10	400
HWI0805UCR27□GT	270	K, J	48	100/250	800	1.30	280
HWI0805UCR33□GT	330	K, J	48	100/250	750	1.40	260
HWI0805UCR39□GT	390	K, J	45	100/250	700	2.30	200
HWI0805UCR47□GT	470	K, J	45	100/250	650	2.50	170
HWI0805UCR56□GT	560	K, J	30	50	570	3.50	170
HWI0805UCR68□GT	680	K, J	30	50	500	4.00	170
HWI0805UCR82□GT	820	K, J	25	25/50	320	2.7	160
HWI0805UC1R0□GT	1000	K, J	24	25/50	280	2.8	110
HWI0805UC1R2□GT	1200	K, J	22	7.9/50	240	3.5	100
HWI0805UC1R5□GT	1500	K, J	20	7.9/50	150	3.5	90
HWI0805UC2R2□GT	2200	K, J	20	7.9/50	140	5.5	60
HWI0805UC2R7□GT	2700	K, J	18	7.9	130	6.2	50

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI1008UC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI1008UC4N7□GT	4.7	M, K	50	50/1500	6000	0.15	600
HWI1008UC10N□GT	10	K, J	50	50/500	4100	0.08	1000
HWI1008UC12N□GT	12	K, J	50	50/500	3300	0.09	1000
HWI1008UC15N□GT	15	K, J	50	50/500	2500	0.10	1000
HWI1008UC18N□GT	18	K, J	50	50/350	2500	0.11	1000
HWI1008UC22N□GT	22	K, J, G	55	50/350	2400	0.12	1000
HWI1008UC27N□GT	27	K, J, G	55	50/350	1600	0.13	1000
HWI1008UC33N□GT	33	K, J, G	60	50/350	1600	0.14	1000
HWI1008UC39N□GT	39	K, J, G	60	50/350	1500	0.15	1000
HWI1008UC47N□GT	47	K, J, G	65	50/350	1500	0.16	1000
HWI1008UC56N□GT	56	K, J, G	65	50/350	1300	0.18	1000

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI1008UC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI1008UC68N□GT	68	K, J, G	65	50/350	1300	0.20	1000
HWI1008UC82N□GT	82	K, J, G, F	60	50/350	1000	0.22	1000
HWI1008UCR10□GT	100	K, J, G, F	60	25/350	1000	0.56	650
HWI1008UCR12□GT	120	K, J, G, F	60	25/350	950	0.63	650
HWI1008UCR15□GT	150	K, J, G, F	45	25/100	850	0.70	580
HWI1008UCR18□GT	180	K, J, G, F	45	25/100	750	0.77	620
HWI1008UCR22□GT	220	K, J, G, F	45	25/100	700	0.84	500
HWI1008UCR27□GT	270	K, J, G, F	45	25/100	600	0.91	500
HWI1008UCR33□GT	330	K, J, G, F	45	25/100	570	1.05	450
HWI1008UCR39□GT	390	K, J, G, F	45	25/100	500	1.12	470
HWI1008UCR47□GT	470	K, J, G, F	45	25/100	450	1.19	470
HWI1008UCR56□GT	560	K, J, G, F	45	25/100	415	1.33	400
HWI1008UCR62□GT	620	K, J, G, F	45	25/100	375	1.40	300
HWI1008UCR68□GT	680	K, J, G, F	45	25/100	375	1.47	400
HWI1008UCR75□GT	750	K, J, G, F	45	25/100	360	1.54	360
HWI1008UCR82□GT	820	K, J, G, F	45	25/100	350	1.61	400
HWI1008UCR91□GT	910	K, J, G, F	35	25/50	320	1.68	380
HWI1008UC1R0□GT	1000	K, J, G, F	35	25/50	290	1.75	370
HWI1008UC1R2□GT	1200	K, J, G, F	35	7.9/50	250	2.00	310
HWI1008UC1R5□GT	1500	K, J, G	28	7.9/50	200	2.30	330
HWI1008UC1R8□GT	1800	K, J, G	28	7.9/50	160	2.60	300
HWI1008UC2R2□GT	2200	K, J, G	28	7.9/50	160	2.80	280
HWI1008UC2R7□GT	2700	K, J, G	22	7.9/25	140	3.20	290
HWI1008UC3R3□GT	3300	K, J, G	22	7.9/25	110	3.40	290
HWI1008UC3R9□GT	3900	K, J, G	20	7.9/25	100	5.00	260
HWI1008UC4R7□GT	4700	K, J, G	20	7.9/25	90	5.50	260
HWI1008UC5R6□GT	5600	K, J, M	20	7.9/25	60	5.70	240
HWI1008UC6R8□GT	6800	K, J, M	20	7.9/25	60	7.70	200
HWI1008UC8R2□GT	8200	K, J, M	20	7.9/25	50	10.7	150

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI1206HC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI1206HC6N8□ST	6.8	K, J	30	100/300	5500	0.07	1000
HWI1206HC10N□ST	10	K, J	40	100/300	4000	0.08	1000
HWI1206HC12N□ST	12	K, J	40	100/300	3200	0.08	1000
HWI1206HC15N□ST	15	K, J	40	100/300	3200	0.10	1000
HWI1206HC18N□ST	18	K, J	50	100/300	2800	0.10	1000
HWI1206HC22N□ST	22	K, J	50	100/300	2200	0.10	1000
HWI1206HC27N□ST	27	K, J, M	50	100/300	1800	0.11	1000
HWI1206HC33N□ST	33	K, J, M	55	100/300	1800	0.11	1000
HWI1206HC39N□ST	39	K, J, M	55	100/300	1800	0.12	1000
HWI1206HC47N□ST	47	K, J, M	55	100/300	1500	0.13	1000
HWI1206HC56N□ST	56	K, J, M	55	100/300	1450	0.14	1000

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.

HWI1206HC TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min. Quality Factor 品质因子	L/Q Test Freq. 测试频率	Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流
Units 单位	nH	—	—	MHz	MHz	Ω	mA
Symbol 符号	L	—	Q	Freq.	S.R.F	DCR	I _r
HWI1206HC68N□ST	68	K, J, M	55	100/300	1200	0.26	950
HWI1206HC82N□ST	82	K, J, M	55	100/300	1200	0.21	920
HWI1206HC91N□ST	91	K, J, M	55	100/300	1100	0.24	900
HWI1206HCR10□ST	100	K, J, M	55	100/300	1100	0.26	850
HWI1206HCR12□ST	120	K, J, M	55	100/300	750	0.26	800
HWI1206HCR15□ST	150	K, J, M	60	100/300	950	0.31	750
HWI1206HCR18□ST	180	K, J, M	55	50/300	900	0.43	700
HWI1206HCR22□ST	220	K, J, M	55	50/300	760	0.50	670
HWI1206HCR27□ST	270	K, J, M	55	50/300	740	0.56	630
HWI1206HCR30□ST	300	K, J, M	50	50/150	680	0.60	600
HWI1206HCR33□ST	330	K, J, M	45	50/150	650	0.62	590
HWI1206HCR36□ST	360	K, J, M	45	50/150	600	0.65	550
HWI1206HCR39□ST	390	K, J, M	45	50/150	600	0.75	530
HWI1206HCR47□ST	470	K, J, M	45	50/150	550	1.30	490
HWI1206HCR56□ST	560	K, J, M	45	35/150	470	1.34	460
HWI1206HCR62□ST	620	K, J, M	45	35/150	470	1.58	460
HWI1206HCR68□ST	680	K, J, M	45	35/150	450	1.58	430
HWI1206HCR75□ST	750	K, J, M	45	35/150	440	2.25	320
HWI1206HCR82□ST	820	K, J, M	45	35/150	420	1.82	400
HWI1206HCR91□ST	910	K, J, M	45	35/150	410	2.95	310
HWI1206HC1R0□ST	1000	K, J, M	45	35/150	400	2.80	320
HWI1206HC1R2□ST	1200	K, J, M	45	35/150	380	3.20	300

※□: Please specify the inductance tolerance code. The parameters of list are typical, atypical parameters can be customized according to customer's requirements.