



绕线型片式电感器 Wire Wound Chip Inductor



特征 FEATURES

- 体积小，适合高密度表面贴装
- 采用端电极结构，很好地抑制了引线引起的寄生元件效应，具有高可靠性
- 优良的焊接性和耐焊性
- 更好的频率特性和更强的抗干扰能力
- Minature size, suitable for SMT;
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead;
- Excecellent in solderability and heat resistance;
- Best frequency special property and intense ability to resist interference.

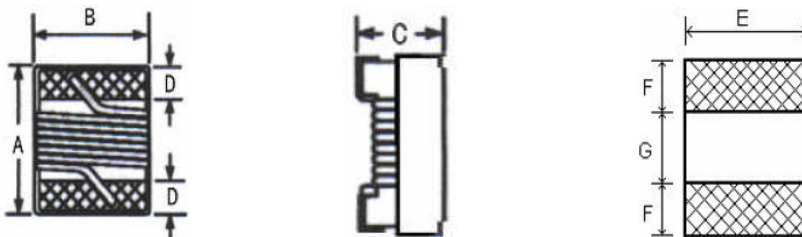
应用 APPLICATIONS

- 移动通信、PDA
- 各种高频回路
- 抑制各种高频杂波
- Portable communication equipment and PDA
- High speed electronic device
- Used for radiation high speed noise suppression

产品规格型号表示方法 ORDERING CODE

① HCW		② 0805		③ UC		④ 068		⑤ J		⑥ G		⑦ T	
①		②		③		④		⑤		⑥		⑦	
产品代号 Product Code		规格尺寸(L×W) Dimensions(mm)		材料 Material		感量(nH) Inductance		误差(%) Tolerance		电极 Terminal		包装方式 Packaging Style	
HCW	绕线型	0402	1.0×0.5	UC	陶瓷芯	1N0	1.0	F	±1	G	金	T	卷带盘装
	片式电感	0603	1.6×0.8	HC	Ceramic	010	10	G	±2		Gold		Tape&Reel
	Wire	0805	2.0×1.2	UF	铁氧体芯	1R0	1000	J	±5	S	锡铅	B	散装
	Wound	1008	2.5×2.0	IF	Ferrite	100	10000	K	±10		Tin		Bluk
	Chip	1210	3.2×2.5			101	100000	M	±20				
	Inductors	1812	4.5×3.2										

外形尺寸 Dimensions



单位 (Unit): mm/inch

Part NO.	A(Max)	B(Max)	C(Max)	D	E	F	G	Least quantity (粒/卷)
0402	1.30 (.051)	0.70 (.028)	0.70 (.028)	0.23 (.009)	0.64 (.025)	0.40 (.016)	0.64 (.025)	10000
0603	1.78 (.070)	1.10 (.043)	0.95 (.037)	0.30 (.012)	1.02 (.04)	0.64 (.025)	0.64 (.025)	4000
0805	2.30 (.091)	1.70 (.067)	1.52 (.060)	0.50 (.020)	1.78 (.07)	1.02 (.04)	0.76 (.03)	3000
1008	2.80 (.110)	2.70 (.106)	2.10 (.083)	0.50 (.020)	2.54 (.10)	1.02 (.04)	1.27 (.05)	2000
1210	3.50 (.138)	2.90 (.114)	2.25 (.088)	0.50 (.020)	2.54 (.10)	1.02 (.04)	1.78 (.07)	2000
1812	4.80 (.189)	3.40 (.134)	3.15 (.124)	0.65 (.026)	3.05 (.12)	1.14 (.045)	3.00 (.118)	2000



电性能参数 Electrical Characteristics

0402HC Series

型号规格 Part No.	感量 Inductance(nH)	Q (Min)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW0402HC1N0□GT	1.0±10% @250MHz	16	6000	0.045	1360
HCW0402HC2N0□GT	2.0±10% @250MHz	16	6000	0.070	1040
HCW0402HC2N2□GT	2.2±10% @250MHz	19	6000	0.070	960
HCW0402HC3N3□GT	3.3±10% @250MHz	19	6000	0.066	840
HCW0402HC3N6□GT	3.6±10% @250MHz	19	6000	0.066	840
HCW0402HC3N9□GT	3.9±10% @250MHz	19	5800	0.066	840
HCW0402HC5N1□GT	5.1±10% @250MHz	20	5800	0.083	800
HCW0402HC5N6□GT	5.6±10% @250MHz	20	5800	0.083	760
HCW0402HC6N2□GT	6.2±10% @250MHz	20	5800	0.083	760
HCW0402HC7N5□GT	7.5±10% @250MHz	22	5800	0.104	680
HCW0402HC8N2□GT	8.2±10% @250MHz	22	4400	0.104	680
HCW0402HC9N0□GT	9.0±10% @250MHz	22	4160	0.104	680
HCW0402HC011□GT	11±10% @250MHz	24	3680	0.120	640
HCW0402HC012□GT	12±5% @250MHz	24	3600	0.120	640
HCW0402HC015□GT	15±5% @250MHz	24	3280	0.172	560
HCW0402HC019□GT	19±5% @250MHz	24	3040	0.202	480
HCW0402HC023□GT	23±5% @250MHz	24	2720	0.214	400
HCW0402HC027□GT	27±5% @250MHz	24	2480	0.298	400
HCW0402HC036□GT	36±5% @250MHz	24	2320	0.403	320
HCW0402HC040□GT	40±5% @250MHz	24	2240	0.438	320

□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)



0603UC Series

型号规格 Part No.	感量 Inductance(nH)	Q (Min)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW0603UC1N6□GT	1.6±10% @250MHz	24	12500	0.030	700
HCW0603UC1N8□GT	1.8±10% @250MHz	16	12500	0.045	700
HCW0603UC3N6□GT	3.6±10% @250MHz	22	5900	0.075	700
HCW0603UC3N9□GT	3.9±10% @250MHz	22	6900	0.080	700
HCW0603UC4N3□GT	4.3±10% @250MHz	22	5900	0.075	700
HCW0603UC4N7□GT	4.7±10% @250MHz	20	5800	0.116	700
HCW0603UC5N1□GT	5.1±10% @250MHz	20	5700	0.120	700
HCW0603UC6N8□GT	6.8±10% @250MHz	27	5800	0.110	700
HCW0603UC7N5□GT	7.5±10% @250MHz	28	4800	0.110	700
HCW0603UC8N7□GT	8.7±10% @250MHz	28	4600	0.120	700
HCW0603UC9N5□GT	9.5±10% @250MHz	28	5400	0.135	700
HCW0603UC010□GT	10±5% @250MHz	31	4800	0.130	700
HCW0603UC011□GT	11±5%or2% @250MHz	33	4000	0.130	700
HCW0603UC012□GT	12±5%or2% @250MHz	35	4000	0.130	700
HCW0603UC015□GT	15±5%or2% @250MHz	35	4000	0.150	700
HCW0603UC016□GT	16±5%or2% @250MHz	34	3300	0.160	700
HCW0603UC018□GT	18±5%or2% @250MHz	35	3100	0.170	700
HCW0603UC022□GT	22±5%or2% @250MHz	38	3000	0.190	700
HCW0603UC024□GT	24±5%or2% @250MHz	37	2650	0.200	700
HCW0603UC027□GT	27±5%or2% @250MHz	40	2800	0.220	600
HCW0603UC030□GT	30±5%or2% @250MHz	37	2250	0.220	600
HCW0603UC033□GT	33±5%or2% @250MHz	40	2300	0.220	600
HCW0603UC036□GT	36±5%or2% @250MHz	38	2080	0.250	600
HCW0603UC039□GT	39±5%or2% @250MHz	40	2200	0.250	600
HCW0603UC043□GT	43±5%or2% @250MHz	39	2000	0.280	600
HCW0603UC047□GT	47±5%or2% @200MHz	38	2000	0.280	600
HCW0603UC056□GT	56±5%or2% @200MHz	38	1900	0.280	600
HCW0603UC068□GT	68±5%or2% @200MHz	37	1700	0.340	600
HCW0603UC072□GT	72±5%or2% @150MHz	34	1700	0.380	400
HCW0603UC082□GT	82±5%or2% @150MHz	34	1700	0.480	400
HCW0603UCR10□GT	100±5%or2% @150MHz	34	1400	0.580	400
HCW0603UCR11□GT	110±5%or2% @150MHz	32	1350	0.610	300
HCW0603UCR12□GT	120±5%or2% @150MHz	32	1300	0.650	300
HCW0603UCR15□GT	150±5%or2% @150MHz	28	990	0.750	280
HCW0603UCR18□GT	180±10%or5% @100MHz	25	990	1.050	240
HCW0603UCR22□GT	220±10%or5% @100MHz	25	900	1.200	200
HCW0603UCR27□GT	270±10%or5% @100MHz	24	900	1.400	170
HCW0603UCR33□GT	330±10%or5% @100MHz	24	850	1.600	160
HCW0603UCR39□GT	390±10%or5% @100MHz	24	800	2.200	150

□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)



0805UC Series

型号规格 Part No.	感量 Inductance(nH)	Q (Min)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW0805UC2N2□GT	2.2±10% @250MHz	50@1500MHz	8500	0.030	800
HCW0805UC2N7□GT	2.7±10% @250MHz	50@1500MHz	8000	0.045	800
HCW0805UC3N3□GT	3.3±10% @250MHz	50@1500MHz	7900	0.090	600
HCW0805UC5N6□GT	5.6±10% @250MHz	65@1000MHz	5500	0.065	600
HCW0805UC6N8□GT	6.8±10% @250MHz	50@1000MHz	5500	0.110	600
HCW0805UC8N2□GT	8.2±5% @250MHz	50@1000MHz	4700	0.120	600
HCW0805UC010□GT	10±5% @250MHz	60@500MHz	4200	0.150	600
HCW0805UC012□GT	12±5% or2% @250MHz	50@500MHz	4000	0.150	600
HCW0805UC015□GT	15±5% or2% @250MHz	50@500MHz	3400	0.170	600
HCW0805UC018□GT	18±5% or2% @250MHz	50@500MHz	3300	0.200	600
HCW0805UC022□GT	22±5% or2% @250MHz	55@500MHz	2600	0.220	600
HCW0805UC027□GT	27±5% or2% @250MHz	55@500MHz	2500	0.250	500
HCW0805UC033□GT	33±5% or2% @250MHz	60@500MHz	2050	0.270	500
HCW0805UC039□GT	39±5% or2% @250MHz	60@500MHz	2000	0.290	500
HCW0805UC047□GT	47±5% or2% @200MHz	60@500MHz	1650	0.310	500
HCW0805UC056□GT	56±5% or2% @200MHz	60@500MHz	1550	0.340	500
HCW0805UC062□GT	62±5% or2% @200MHz	60@500MHz	1500	0.380	500
HCW0805UC068□GT	68±5% or2% @200MHz	60@500MHz	1450	0.380	500
HCW0805UC082□GT	82±5% or2% @150MHz	65@500MHz	1300	0.420	400
HCW0805UCR10□GT	100±5% or2% @150MHz	65@500MHz	1200	0.460	400
HCW0805UCR12□GT	120±5% or2% @150MHz	50@250MHz	1100	0.510	400
HCW0805UCR15□GT	150±5% or2% @100MHz	50@250MHz	920	0.560	400
HCW0805UCR18□GT	180±5% or2% @100MHz	50@250MHz	870	0.640	400
HCW0805UCR20□GT	200±5% or2% @100MHz	50@250MHz	850	1.000	400
HCW0805UCR22□GT	220±5% or2% @100MHz	50@250MHz	850	1.050	400
HCW0805UCR27□GT	270±5% or2% @100MHz	48@250MHz	650	1.100	350
HCW0805UCR33□GT	330±5% or2% @100MHz	48@250MHz	600	1.400	310
HCW0805UCR39□GT	390±10% or5% @100MHz	48@250MHz	560	1.500	290
HCW0805UCR47□GT	470±10% or5% @50MHz	33@100MHz	375	1.760	250
HCW0805UCR56□GT	560±10% or5% @25MHz	23@50MHz	340	1.900	230
HCW0805UCR62□GT	620±10% or5% @25MHz	23@50MHz	320	2.080	200
HCW0805UCR68□GT	680±10% or5% @25MHz	23@50MHz	300	2.100	190
HCW0805UCR75□GT	750±10% or5% @25MHz	23@50MHz	280	2.120	180
HCW0805UCR82□GT	820±10% or5% @25MHz	23@50MHz	250	2.140	180
HCW0805UCR91□GT	910±10% or5% @25MHz	23@50MHz	220	2.280	180
HCW0805UC1R0□GT	1000±10% or5% @25MHz	23@50MHz	200	2.400	170
HCW0805UC1R2□GT	1200±10% or5% @7.9MHz	22@50MHz	180	2.550	170
HCW0805UC1R5□GT	1500±10% or5% @7.9MHz	21@50MHz	170	2.800	160
HCW0805UC1R8□GT	1800±10% or5% @7.9MHz	21@50MHz	160	3.200	150
HCW0805UC2R2□GT	2200±10% or5% @7.9MHz	21@50MHz	150	3.800	150

□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)



1008UC Series

型号规格 Part No.	感量 Inductance(nH)	Q (Min)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW1008UC3N9□GT	3.9±10% @50MHz	50@1500MHz	6000	0.035	1000
HCW1008UC4N7□GT	4.7±10% @50MHz	50@1500MHz	6000	0.045	1000
HCW1008UC5N6□GT	5.6±10% @50MHz	50@1000MHz	6000	0.080	1000
HCW1008UC8N2□GT	8.2±10% @50MHz	50@1000MHz	5000	0.050	1000
HCW1008UC010□GT	10±5%or2% @50MHz	50@500MHz	4100	0.080	1000
HCW1008UC012□GT	12±5%or2% @50MHz	50@500MHz	3300	0.090	1000
HCW1008UC015□GT	15±5%or2% @50MHz	50@500MHz	2500	0.100	1000
HCW1008UC018□GT	18±5%or2% @50MHz	50@350MHz	2500	0.110	1000
HCW1008UC022□GT	22±5%or2% @50MHz	55@350MHz	2400	0.120	1000
HCW1008UC027□GT	27±5%or2% @50MHz	55@350MHz	1600	0.130	1000
HCW1008UC033□GT	33±5%or2% @50MHz	60@350MHz	1600	0.140	1000
HCW1008UC039□GT	39±5%or2% @50MHz	60@350MHz	1500	0.150	1000
HCW1008UC047□GT	47±5%or2% @50MHz	65@350MHz	1500	0.160	1000
HCW1008UC056□GT	56±5%or2% @50MHz	65@350MHz	1300	0.180	1000
HCW1008UC062□GT	62±5%or2% @50MHz	65@350MHz	1300	0.200	1000
HCW1008UC068□GT	68±5%or2% @50MHz	65@350MHz	1300	0.200	1000
HCW1008UC075□GT	75±5%or2% @50MHz	60@350MHz	1200	0.200	1000
HCW1008UC082□GT	82±5%or2% @50MHz	60@350MHz	1000	0.220	1000
HCW1008UCR10□GT	100±5%or2% @25MHz	60@350MHz	1000	0.560	650
HCW1008UCR12□GT	120±5%or2% @25MHz	60@350MHz	950	0.630	650
HCW1008UCR15□GT	150±5%or2% @25MHz	45@100MHz	850	0.700	580
HCW1008UCR18□GT	180±5%or2% @25MHz	45@100MHz	750	0.770	620
HCW1008UCR20□GT	200±5%or2% @25MHz	45@100MHz	750	0.800	550
HCW1008UCR22□GT	220±5%or2% @25MHz	45@100MHz	700	0.840	500
HCW1008UCR24□GT	240±5%or2% @25MHz	45@100MHz	600	0.880	500
HCW1008UCR27□GT	270±5%or2% @25MHz	45@100MHz	600	0.910	500
HCW1008UCR33□GT	330±5%or2% @25MHz	45@100MHz	570	1.050	450
HCW1008UCR39□GT	390±5%or2% @25MHz	45@100MHz	500	1.120	470
HCW1008UCR47□GT	470±5%or2% @25MHz	45@100MHz	450	1.190	470
HCW1008UCR56□GT	560±5%or2% @25MHz	45@100MHz	415	1.330	400
HCW1008UCR62□GT	620±5%or2% @25MHz	45@100MHz	375	1.400	400
HCW1008UCR68□GT	680±5%or2% @25MHz	45@100MHz	375	1.470	400
HCW1008UCR75□GT	750±5%or2% @25MHz	45@100MHz	360	1.540	360
HCW1008UCR82□GT	820±5%or2% @25MHz	45@100MHz	350	1.610	400
HCW1008UCR91□GT	910±5%or2% @25MHz	35@50MHz	320	1.680	380
HCW1008UC1R0□GT	1000±5%or2% @25MHz	35@50MHz	290	1.750	370
HCW1008UC1R2□GT	1200±5%or2% @7.9MHz	35@50MHz	250	2.000	310
HCW1008UC1R5□GT	1500±5%or2% @7.9MHz	28@50MHz	200	2.300	330
HCW1008UC1R8□GT	1800±5%or2% @7.9MHz	28@50MHz	160	2.600	300
HCW1008UC2R2□GT	2200±5%or2% @7.9MHz	28@50MHz	160	2.800	280
HCW1008UC2R7□GT	2700±5%or2% @7.9MHz	22@25MHz	140	3.200	290
HCW1008UC3R3□GT	3300±5%or2% @7.9MHz	22@25MHz	110	3.400	290
HCW1008UC3R9□GT	3900±5%or2% @7.9MHz	20@25MHz	100	3.600	260
HCW1008UC4R7□GT	4700±10%or5% @7.9MHz	20@25MHz	90	4.000	260
HCW1008UC5R6□GT	5600±10%or5% @7.9MHz	20@7.9MHz	60	7.600	240
HCW1008UC6R8□GT	6800±10%or5% @7.9MHz	20@7.9MHz	60	8.200	200

□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)



1210HC Series

型号规格 Part No.	感量 Inductance(nH)	Q (Min)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW1210HC3N9□GT	3.9±5% @100MHz	30@300MHz	6000	0.050	1000
HCW1210HC4N7□GT	4.7±5% @100MHz	30@300MHz	5800	0.065	1000
HCW1210HC8N2□GT	8.2±5% @100MHz	30@300MHz	5500	0.070	1000
HCW1210HC010□GT	10±5%or2% @100MHz	40@300MHz	4000	0.080	1000
HCW1210HC012□GT	12±5%or2% @100MHz	40@300MHz	3200	0.080	1000
HCW1210HC015□GT	15±5%or2% @100MHz	40@300MHz	3200	0.100	1000
HCW1210HC018□GT	18±5%or2% @100MHz	50@300MHz	2800	0.100	1000
HCW1210HC022□GT	22±5%or2% @100MHz	50@300MHz	2200	0.100	1000
HCW1210HC027□GT	27±5%or2% @100MHz	50@300MHz	1800	0.110	1000
HCW1210HC033□GT	33±5%or2% @100MHz	55@300MHz	1800	0.110	1000
HCW1210HC039□GT	39±5%or2% @100MHz	55@300MHz	1800	0.120	1000
HCW1210HC043□GT	43±5%or2% @100MHz	55@300MHz	1500	0.120	1000
HCW1210HC047□GT	47±5%or2% @100MHz	55@300MHz	1500	0.130	1000
HCW1210HC056□GT	56±5%or2% @100MHz	55@300MHz	1450	0.140	1000
HCW1210HC068□GT	68±5%or2% @100MHz	55@300MHz	1200	0.150	900
HCW1210HC082□GT	82±5%or2% @100MHz	55@300MHz	1200	0.200	900
HCW1210HCR10□GT	100±5%or2% @100MHz	55@300MHz	1100	0.210	850
HCW1210HCR12□GT	120±5%or2% @100MHz	60@300MHz	1100	0.210	800
HCW1210HCR15□GT	150±5%or2% @100MHz	60@300MHz	950	0.250	750
HCW1210HCR18□GT	180±5%or2% @50MHz	60@300MHz	900	0.300	700
HCW1210HCR22□GT	220±5%or2% @50MHz	60@300MHz	760	0.320	670
HCW1210HCR27□GT	270±5%or2% @50MHz	55@300MHz	730	0.340	630
HCW1210HCR33□GT	330±5%or2% @50MHz	45@150MHz	650	0.380	590
HCW1210HCR39□GT	390±5%or2% @50MHz	45@150MHz	600	0.580	530
HCW1210HCR47□GT	470±5%or2% @50MHz	45@150MHz	550	0.800	490
HCW1210HCR56□GT	560±5%or2% @35MHz	45@150MHz	470	1.100	460
HCW1210HCR68□GT	680±5%or2% @35MHz	45@150MHz	450	1.200	430
HCW1210HCR82□GT	820±5%or2% @35MHz	45@150MHz	420	1.820	400
HCW1210HC1R0□GT	1000±5%or2% @35MHz	45@150MHz	400	1.850	320
HCW1210HC1R2□GT	1200±5%or2% @35MHz	45@150MHz	380	1.870	300
HCW1210HC1R5□GT	1500±5%or2% @7.9MHz	30@50MHz	160	1.950	310
HCW1210HC1R8□GT	1800±5%or2% @7.9MHz	30@50MHz	160	2.250	310
HCW1210HC2R2□GT	2200±5%or2% @7.9MHz	30@50MHz	160	2.410	310
HCW1210HC2R7□GT	2700±5%or2% @7.9MHz	28@25MHz	140	2.850	300
HCW1210HC3R3□GT	3300±5%or2% @7.9MHz	25@25MHz	110	3.120	300
HCW1210HC3R9□GT	3900±5%or2% @7.9MHz	25@25MHz	100	3.600	290
HCW1210HC4R7□GT	4700±10%or5% @7.9MHz	25@25MHz	75	4.000	280
HCW1210HC5R6□GT	5600±10%or5% @7.9MHz	20@7.9MHz	70	5.000	250
HCW1210HC6R8□GT	6800±10%or5% @7.9MHz	20@7.9MHz	70	8.000	230
HCW1210HC8R6□GT	8600±10%or5% @7.9MHz	20@7.9MHz	55	9.000	160

□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)



0805UF Series

型号规格 Part No.	感量 Inductance(μH)	Q (Min)	测试频率 Test Freq (Ls, Q)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW0805UF1R2□□T	1.2 ± 10% or 5%	23	7.96MHz	350	1.05	600
HCW0805UF1R5□□T	1.5 ± 10% or 5%	23	7.96MHz	300	1.20	580
HCW0805UF1R8□□T	1.8 ± 10% or 5%	23	7.96MHz	260	1.35	550
HCW0805UF2R2□□T	2.2 ± 10% or 5%	20	7.96MHz	210	1.50	510
HCW0805UF2R7□□T	2.7 ± 10% or 5%	20	7.96MHz	160	1.70	460
HCW0805UF3R3□□T	3.3 ± 10% or 5%	20	7.96MHz	130	1.80	430
HCW0805UF3R9□□T	3.9 ± 10% or 5%	20	7.96MHz	115	1.95	100
HCW0805UF4R7□□T	4.7 ± 10% or 5%	20	7.96MHz	105	2.05	370
HCW0805UF5R6□□T	5.6 ± 10% or 5%	20	7.96MHz	90	2.30	360
HCW0805UF6R8□□T	6.8 ± 10% or 5%	20	7.96MHz	85	2.60	330

1008IF Series

型号规格 Part No.	感量 Inductance(μH)	Q (Min)	测试频率 Test Freq (Ls, Q)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW1008IF1R2□□T	1.2 ± 10% or 5%	20	7.96MHz	250	0.75	550
HCW1008IF1R5□□T	1.5 ± 10% or 5%	20	7.96MHz	230	0.80	400
HCW1008IF1R8□□T	1.8 ± 10% or 5%	20	7.96MHz	168	0.95	320
HCW1008IF2R2□□T	2.2 ± 10% or 5%	20	7.96MHz	150	1.30	315
HCW1008IF2R7□□T	2.7 ± 10% or 5%	20	7.96MHz	125	1.40	300
HCW1008IF3R3□□T	3.3 ± 10% or 5%	20	7.96MHz	110	1.50	280
HCW1008IF3R9□□T	3.9 ± 10% or 5%	20	7.96MHz	90	1.55	250
HCW1008IF4R7□□T	4.7 ± 10% or 5%	20	7.96MHz	76	1.75	210
HCW1008IF5R6□□T	5.6 ± 10% or 5%	18	7.96MHz	76	1.90	190
HCW1008IF6R8□□T	6.8 ± 10% or 5%	18	7.96MHz	51	2.00	175
HCW1008IF8R2□□T	8.2 ± 10% or 5%	18	7.96MHz	34	2.20	160
HCW1008IF100□□T	10 ± 10% or 5%	18	2.52MHz	34	2.50	155
HCW1008IF150□□T	15 ± 10% or 5%	18	2.52MHz	23	3.00	130
HCW1008IF220□□T	22 ± 10% or 5%	18	2.52MHz	23	3.90	105
HCW1008IF330□□T	33 ± 10% or 5%	15	2.52MHz	10	4.80	85
HCW1008IF470□□T	47 ± 10% or 5%	15	2.52MHz	8.5	5.70	60
HCW1008IF680□□T	68 ± 10% or 5%	15	2.52MHz	7.1	6.70	50
HCW1008IF101□□T	100 ± 10% or 5%	10	0.796MHz	4.8	11.0	40

□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)

□ 电极材料 Electrode material (G: 金; S: 锡铅)



1210IF Series

型号规格 Part No.	感量 Inductance(μ H)	Q (Min)	测试频率 Test Freq (Ls, Q)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW1210IF1R2□□T	1.2 \pm 10% or 5%	28	7.96MHz	210	0.3	450
HCW1210IF1R5□□T	1.5 \pm 10% or 5%	28	7.96MHz	200	0.4	450
HCW1210IF1R8□□T	1.8 \pm 10% or 5%	28	7.96MHz	195	0.5	450
HCW1210IF2R2□□T	2.2 \pm 10% or 5%	28	7.96MHz	175	0.6	450
HCW1210IF2R7□□T	2.7 \pm 10% or 5%	28	7.96MHz	160	0.7	420
HCW1210IF3R3□□T	3.3 \pm 10% or 5%	28	7.96MHz	120	1.1	380
HCW1210IF3R9□□T	3.9 \pm 10% or 5%	28	7.96MHz	110	1.2	360
HCW1210IF4R7□□T	4.7 \pm 10% or 5%	28	7.96MHz	105	1.3	350
HCW1210IF5R6□□T	5.6 \pm 10% or 5%	28	7.96MHz	100	2.0	320
HCW1210IF6R8□□T	6.8 \pm 10% or 5%	28	7.96MHz	80	1.5	310
HCW1210IF8R2□□T	8.2 \pm 10% or 5%	28	7.96MHz	75	1.6	305
HCW1210IF100□□T	10 \pm 10% or 5%	25	2.52MHz	70	1.0	300
HCW1210IF120□□T	12 \pm 10% or 5%	25	2.52MHz	65	1.2	265
HCW1210IF150□□T	15 \pm 10% or 5%	25	2.52MHz	60	2.0	225
HCW1210IF180□□T	18 \pm 10% or 5%	25	2.52MHz	45	2.1	210
HCW1210IF220□□T	22 \pm 10% or 5%	25	2.52MHz	35	2.2	200
HCW1210IF270□□T	27 \pm 10% or 5%	25	2.52MHz	30	2.6	180
HCW1210IF330□□T	33 \pm 10% or 5%	25	2.52MHz	23	2.9	160
HCW1210IF390□□T	39 \pm 10% or 5%	25	2.52MHz	21	3.7	150
HCW1210IF470□□T	47 \pm 10% or 5%	25	2.52MHz	20	4.8	140
HCW1210IF560□□T	56 \pm 10% or 5%	25	2.52MHz	15	5.1	125
HCW1210IF680□□T	68 \pm 10% or 5%	25	2.52MHz	15	4.7	110
HCW1210IF820□□T	82 \pm 10% or 5%	25	2.52MHz	13	5.6	100
HCW1210IF101□□T	100 \pm 10% or 5%	15	0.796MHz	6.0	6.5	95
HCW1210IF121□□T	120 \pm 10% or 5%	15	0.796MHz	5.0	7.1	85
HCW1210IF151□□T	150 \pm 10% or 5%	15	0.796MHz	4.5	8.2	80
HCW1210IF181□□T	180 \pm 10% or 5%	15	0.796MHz	3.0	12.5	70
HCW1210IF221□□T	220 \pm 10% or 5%	15	0.796MHz	3.0	15.3	65
HCW1210IF271□□T	270 \pm 10% or 5%	15	0.796MHz	2.5	16.4	60
HCW1210IF331□□T	330 \pm 10% or 5%	15	0.796MHz	2.3	17.8	55
HCW1210IF391□□T	390 \pm 10% or 5%	10	0.796MHz	2.2	19.5	45
HCW1210IF471□□T	470 \pm 10% or 5%	10	0.796MHz	2.0	21.0	40

□ 感量公差 Tolerance (F: \pm 1%, G: \pm 2%, J: \pm 5%, K: \pm 10%, M: \pm 20%)

□ 电极材料 Electrode material (G: 金; S: 锡铅)



1812IF Series

型号规格 Part No.	感量 Inductance(μH)	Q (Min)	测试频率 Test Freq (Ls、Q)	自谐振频率 SRF (MHz)Min	直流电阻 DCR (Ω)Max	额定电流 Idc (mA)Max
HCW1812IF1R0□□T	1.0±10%or5%	30	7.96MHz	200	0.20	1000
HCW1812IF1R2□□T	1.2±10%or5%	30	7.96MHz	200	0.21	1000
HCW1812IF1R5□□T	1.5±10%or5%	30	7.96MHz	180	0.22	1000
HCW1812IF1R8□□T	1.8±10%or5%	35	7.96MHz	160	0.24	950
HCW1812IF2R2□□T	2.2±10%or5%	35	7.96MHz	150	0.25	900
HCW1812IF2R7□□T	2.7±10%or5%	35	7.96MHz	145	0.30	850
HCW1812IF3R3□□T	3.3±10%or5%	35	7.96MHz	140	0.32	800
HCW1812IF3R9□□T	3.9±10%or5%	35	7.96MHz	135	0.40	750
HCW1812IF4R7□□T	4.7±10%or5%	35	7.96MHz	120	0.50	700
HCW1812IF5R6□□T	5.6±10%or5%	35	7.96MHz	110	0.55	650
HCW1812IF6R8□□T	6.8±10%or5%	35	7.96MHz	98	0.80	600
HCW1812IF8R2□□T	8.2±10%or5%	35	7.96MHz	95	0.85	600
HCW1812IF100□□T	10±10%or5%	30	2.52MHz	75	1.0	550
HCW1812IF120□□T	12±10%or5%	30	2.52MHz	70	1.1	550
HCW1812IF150□□T	15±10%or5%	30	2.52MHz	60	1.2	500
HCW1812IF180□□T	18±10%or5%	30	2.52MHz	29	1.2	500
HCW1812IF220□□T	22±10%or5%	30	2.52MHz	25	1.3	450
HCW1812IF270□□T	27±10%or5%	28	2.52MHz	22	1.5	400
HCW1812IF330□□T	33±10%or5%	28	2.52MHz	18	1.7	350
HCW1812IF390□□T	39±10%or5%	28	2.52MHz	14	1.8	350
HCW1812IF470□□T	47±10%or5%	28	2.52MHz	14	2.0	300
HCW1812IF560□□T	56±10%or5%	25	2.52MHz	14	2.2	290
HCW1812IF680□□T	68±10%or5%	20	2.52MHz	5.4	2.4	260
HCW1812IF820□□T	82±10%or5%	20	2.52MHz	5.4	2.8	240
HCW1812IF101□□T	100±10%or5%	20	0.796MHz	4.2	3.0	220
HCW1812IF121□□T	120±10%or5%	20	0.796MHz	3.3	3.3	220
HCW1812IF151□□T	150±10%or5%	20	0.796MHz	3.0	3.7	200
HCW1812IF181□□T	180±10%or5%	20	0.796MHz	3.0	4.0	200
HCW1812IF221□□T	220±10%or5%	15	0.796MHz	2.5	7.0	170
HCW1812IF271□□T	270±10%or5%	15	0.796MHz	2.5	7.6	160
HCW1812IF331□□T	330±10%or5%	15	0.796MHz	2.0	8.5	150
HCW1812IF391□□T	390±10%or5%	15	0.796MHz	2.0	9.2	130
HCW1812IF471□□T	470±10%	10	0.796MHz	2.0	10.4	120
HCW1812IF561□□T	560±10%	10	0.796MHz	2.0	12.0	110
HCW1812IF681□□T	680±10%	10	0.796MHz	1.8	14.0	100
HCW1812IF821□□T	820±10%	10	0.796MHz	1.6	15.0	95
HCW1812IF102□□T	1000±10%	10	0.252MHz	1.6	16.5	90

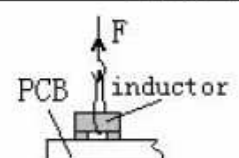
□ 感量公差 Tolerance (F: ±1%, G: ±2%, J: ±5%, K: ±10%, M: ±20%)

□ 电极材料 Electrode material (G: 金; S: 锡铅)

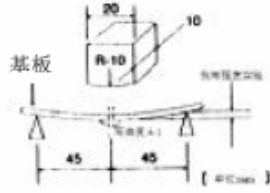


可靠性测试 Reliability Test

(绕线型片式电感器系列 Wire Wound Chip Inductor)

NO.	Item	Specification		Test Method
		0402HC 、 0603UC 、 0805UC 、 1008UC 、 1210HC	0805UF、 1008IF、 1210IF、 1812IF	
1	Operating Temperature Range	-40~+125℃	-40~+85℃	
2	Storage Temperature Range	-40~+125℃	-40~+85℃	
3	Rating current	150~1000mA(max)	20~1000mA(max)	current sources : CH1320 or HP4284A+HP42841A
4	Inductance	1.0~8200nH	1.0~1000μH	Test Frequency: 0.252~250MHz Test Equipment: HP4291A, HP4286A, HP4287A, HP4284A Test Fixture: HP16193A or HP16334A
5	Q 值	16~65(min)	10~45(min)	Test Frequency: 0.252~1500MHz Test Equipment: HP4291A, HP4286A, HP4287A, HP4284A Test Fixture : HP16193A or HP16334A
6	RDC	0.03~8.60 Ω (max)	0.22~24.00 Ω (max)	Test Equipment : HP4263B 、 HP4286A
7	SRF	40~12500MHz(min)	1.4~360MHz(min)	Test Equipment: HP4291A Test Fixture: 16193A
8	Solderability	The metalized area must have more then 90% of solder coverage		Soldering Temp.: 230±5℃ Dippng time: 5±1S
9	Resistance to Soldering heat	No evidence of mechanical damage Inductance change less than ±5% Q change less than ±10%		Soldering Temp.: 260±5℃ Dippng time: 10±1S
10	Tehermal Shock			A cycle contain, Step 1: -40℃, 30Min Step 2: 85℃, 30Min Cycle Times: 10
11	High Temperature Storage			Test Temperature: 85±2℃ Test Time: 96±2 小时
12	Low Temperature Storage			Test Temperature: -40±2℃ Test Time: 96±2Hours
13	Moisture Resistance	No evidence of mechanical damage Inductance change less than ±5% Q change less than ±10%		Test Temperature: 50±2℃ 90~95% Test Time: 100±2 小时 with rating current
14	Vibration			Amplitude: 1.5mm X、Y、Z 方向各振 1 小时 45 分 Frequency range : 10~55~10Hz(min)
15	Component Adhesion	0402, 0603 and 0805UF series less than 1.3KG, the other series less than 2 KG.		



NO.	Item	Specification		Test Method
		0402HC 、 0603UC 、 0805UC 、 1008UC 、 1210HC	0805UF、 1008IF、 1210IF、 1812IF	
16	Resistance to Bend	No evidence of mechanical damage		camber: 20mm Test Board: Glass-Epoxy board Thickness: 0.8mm 
17	Life	No evidence of mechanical damage Inductance change less than $\pm 5\%$ Q change less than $\pm 10\%$		Test Temperature: $85 \pm 2^\circ\text{C}$ Test Time: 1000Hours With rating current

Note: Electronic Characteristic are to be tested after 24 ± 2 hours at standard condition.