



承认书

Approval Sheet

客户名称:

Customer

_____ / _____

产品名称:

陶瓷高频绕线片式电感器

Part Name

Wire Wound Inductor For High Frequency

产品规格:

Specification

JWIC Series

版本号:

Version No.

A/0

日期:


Date

2020-7-3

制造Manufacturer			客户Customer		
拟制	审核	确认	检验	审核	批准
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产品指南Products Guide

Description	Model	P/N	Package Size	Inductance Range (nH)	Irms (mA)
Wire Wound Inductor For High Frequency陶瓷绕线片式电感器		JWIC	4020(1005)	1.0-120	30-1040
			0603(1608)	1.5-560	90-700
			0805(2012)	2.2-4700	30-800
			1008(2520)	3.9-10000	100-1000
			1210(3225)	12-10000	150-1000

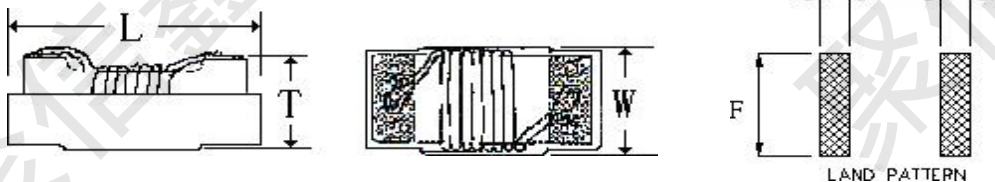
Characteristics特征

- 绕线贴片结构，高Q值；
- 大电流，低电阻；
- 自谐振频率高，对高频噪声有良好的抑制效果；
- 节省空间，节省用电。

Application应用

- 智能手机，智能电视，机顶盒；
- 通讯设备，USB接口，LCD的LVDS信号线；
- 虚拟现实设备；
- 信息处理系统。

形状和尺寸Shape And Dimensions (Unit: mm)



Size 型号	L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
JWIC0402 (1005)	1.19	0.7	0.64	0.4	0.64	0.64
JWIC0603 (1608)	1.8	1.25	1.2	0.64	1.02	0.64
JWIC0805 (2012)	2.4	1.73	1.52	1.02	1.78	0.76
JWIC1008 (2520)	2.92	2.8	2.23	1.02	2.54	1.27
JWIC1210 (3225)	3.5	2.9	2.25	1.02	2.54	1.78

Product Spec. Model 产品品名构成

JWI C 0402 - 1N0 J S
(1) (2) (3) (4) (5) (6)

(1)Product symbol系列代号

(2)Material芯片类型 (C:陶瓷 F: 铁氧体 H:合金)

(3)Dimensions 规格尺寸

(4)Inductance电感量: 1N0:1.0nH 10N:10nH R10:100nH

(5)Tolerance公差: S \pm 0.3; F \pm 1%; G \pm 2%; J \pm 5%; K \pm 10%; M \pm 20%

(6)Terminal端电极材料: G-金端头; S-锡端头; Y-银钯端头

Specifications规格

JWIC0402 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试频率 TestFreq (MHz)	Q值 QMin	自谐振频率 SRF (MHz)Min	直流电阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC0402-1N0□□	K	1	250	10	12.9	0.045	740
JWIC0402-1N2□□	K	1.2	20	8	12.9	0.15	100
JWIC0402-1N3□□	K	1.3	250	8	12.9	0.15	100
JWIC0402-1N5□□	K	1.5	250	8	12.9	0.15	100
JWIC0402-1N8□□	K	1.8	250	20	12	0.07	1040
JWIC0402-1N9□□	K	1.9	250	20	11.3	0.07	1040
JWIC0402-2N0□□	K	2	250	23	11.1	0.09	1040
JWIC0402-2N2□□	K	2.2	250	22	10.8	0.09	960
JWIC0402-2N4□□	K	2.4	250	22	10.5	0.09	790
JWIC0402-2N7□□	K	2.7	250	12	10.4	0.17	200
JWIC0402-3N3□□	J、K	3.3	250	24	7	0.076	840
JWIC0402-3N6□□	G、J、K	3.6	250	24	6.8	0.076	840
JWIC0402-3N9□□	G、J、K	3.9	250	24	6	0.076	840
JWIC0402-4N1□□	J、K	4.1	250	22	6	0.091	700
JWIC0402-4N3□□	J、K	4.3	250	22	6	0.091	700
JWIC0402-4N7□□	G、J、K	4.7	250	20	4.77	0.13	640
JWIC0402-5N1□□	G、J、K	5.1	250	23	4.8	0.11	800
JWIC0402-5N6□□	G、J、K	5.6	250	25	4.8	0.11	760
JWIC0402-6N2□□	G、J、K	6.2	250	25	4.8	0.11	760
JWIC0402-6N8□□	G、J、K	6.8	250	24	4.8	0.12	680
JWIC0402-7N2□□	G、J、K	7.2	250	25	4.8	0.12	680
JWIC0402-7N3□□	G、J、K	7.3	250	25	4.8	0.12	680
JWIC0402-7N5□□	G、J、K	7.5	250	25	4.8	0.15	680
JWIC0402-8N2□□	G、J、K	8.2	250	25	4.4	0.15	680
JWIC0402-8N7□□	G、J、K	8.7	250	25	4.1	0.2	480
JWIC0402-9N0□□	G、J、K	9	250	25	4.16	0.15	680
JWIC0402-9N1□□	G、J、K	9.1	250	25	4.16	0.15	680
JWIC0402-9N5□□	G、J、K	9.5	250	24	4	0.2	480
JWIC0402-10N□□	G、J、K	10	250	24	3.9	0.2	480
JWIC0402-11N□□	G、J、K	11	250	26	3.68	0.12	640
JWIC0402-12N□□	J、K	12	250	26	3.6	0.12	640
JWIC0402-13N□□	G、J、K	13	250	24	3.45	0.21	440

注：电感量偏差为G、J或K；G±2%；J±5%；K±10%。

JWIC0603 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试频率 TestFreq (MHz)	Q值 QMin	自谐振频率 SRF (MHz)Min	直流电阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC0603-1N5□□	K	1.5	250	24	12500	0.03	700
JWIC0603-1N6□□	K	1.6	250	24	12500	0.03	700
JWIC0603-1N8□□	K	1.8	250	16	12500	0.045	700
JWIC0603-2N0□□	J、K	2	250	12	12500	0.25	100
JWIC0603-2N2□□	K	2.2	250	12	12500	0.25	100
JWIC0603-2N7□□	K	2.7	250	22	5900	0.045	700
JWIC0603-3N3□□	K	3.3	250	22	5900	0.045	700
JWIC0603-3N6□□	G、J、K	3.6	250	22	5900	0.063	700
JWIC0603-3N9□□	G、J、K	3.9	250	22	6900	0.08	700
JWIC0603-4N3□□	G、J、K	4.3	250	22	5900	0.063	700
JWIC0603-4N7□□	G、J、K	4.7	250	20	5800	0.116	700
JWIC0603-5N1□□	G、J、K	5.1	250	20	5700	0.14	700
JWIC0603-5N6□□	K	5.6	250	26	4760	0.075	700
JWIC0603-6N2□□	G、J、K	6.2	250	20	5700	0.14	700
JWIC0603-6N3□□	G、J、K	6.3	250	20	5700	0.14	700
JWIC0603-6N8□□	G、J、K	6.8	250	27	5800	0.11	700
JWIC0603-7N5□□	G、J、K	7.5	250	28	4800	0.106	700
JWIC0603-8N0□□	G、J、K	8	250	28	4700	0.109	700
JWIC0603-8N2□□	G、J、K	8.2	250	30	4200	0.115	700
JWIC0603-8N7□□	G、J、K	8.7	250	28	4600	0.109	700
JWIC0603-9N1□□	G、J、K	9.1	250	28	5400	0.125	700
JWIC0603-9N5□□	G、J、K	9.5	250	28	5400	0.125	700
JWIC0603-10N□□	G、J、K	10	250	31	4800	0.13	700
JWIC0603-11N□□	G、J、K	11	250	30	4000	0.13	700
JWIC0603-12N□□	G、J、K	12	250	35	4000	0.13	700
JWIC0603-13N□□	G、J、K	13	250	35	4000	0.13	700
JWIC0603-15N□□	G、J、K	15	250	35	4000	0.17	700
JWIC0603-16N□□	G、J、K	16	250	34	3300	0.17	700
JWIC0603-18N□□	G、J、K	18	250	35	3100	0.17	700
JWIC0603-20N□□	G、J、K	20	250	36	3000	0.18	700
JWIC0603-22N□□	G、J、K	22	250	38	3000	0.19	700
JWIC0603-23N□□	G、J、K	23	250	38	3000	0.19	700
JWIC0603-24N□□	G、J、K	24	250	36	2650	0.135	700
JWIC0603-27N□□	G、J、K	27	250	40	2800	0.22	600
JWIC0603-30N□□	G、J、K	30	250	37	2250	0.22	600

注：电感量偏差为G、J或K；G±2%；J±5%；K±10%。

JWIC0603 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试频率 TestFreq (MHz)	Q值 QMin	自谐振频率 SRF (MHz)Min	直流电阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC0603-33N□□	G、J、K	33	250	40	2300	0.22	600
JWIC0603-36N□□	G、J、K	36	250	37	2080	0.25	600
JWIC0603-39N□□	G、J、K	39	250	40	2200	0.25	600
JWIC0603-43N□□	G、J、K	43	250	38	2000	0.28	600
JWIC0603-47N□□	G、J、K	47	200	38	2000	0.28	600
JWIC0603-51N□□	G、J、K	51	200	35	1900	0.27	600
JWIC0603-56N□□	G、J、K	56	200	38	1900	0.31	600
JWIC0603-60N□□	G、J、K	60	200	37	1800	0.33	600
JWIC0603-62N□□	G、J、K	62	200	37	1800	0.33	600
JWIC0603-68N□□	G、J、K	68	200	37	1700	0.34	600
JWIC0603-72N□□	G、J、K	72	150	34	1700	0.49	400
JWIC0603-75N□□	G、J、K	75	150	28	1700	0.52	400
JWIC0603-82N□□	G、J、K	82	150	34	1700	0.54	400
JWIC0603-85N□□	G、J、K	85	150	34	1700	0.58	400
JWIC0603-91N□□	G、J、K	91	150	28	1600	0.58	400
JWIC0603-R10□□	G、J、K	100	150	34	1400	0.58	400
JWIC0603-R11□□	G、J、K	110	150	32	1350	0.61	300
JWIC0603-R12□□	G、J、K	120	150	32	1300	0.65	300
JWIC0603-R13□□	G、J、K	130	150	32	1150	0.92	290
JWIC0603-R135□□	G、J、K	135	150	32	990	0.92	290
JWIC0603-R15□□	G、J、K	150	150	28	990	0.92	280
JWIC0603-R16□□	J、K	160	150	28	990	1.25	280
JWIC0603-R18□□	G、J、K	180	100	25	990	1.25	240
JWIC0603-R20□□	G、J、K	200	100	25	900	1.98	200
JWIC0603-R215□□	G、J、K	215	100	25	900	2.1	200
JWIC0603-R22□□	G、J、K	220	100	25	900	2.1	200
JWIC0603-R24□□	G、J、K	240	100	25	900	2.2	200
JWIC0603-R25□□	G、J、K	250	100	25	882	2.55	120
JWIC0603-R27□□	G、J、K	270	100	26	830	2.16	170
JWIC0603-R29□□	G、J、K	290	100	25	800	3.2	100
JWIC0603-R30□□	G、J、K	300	100	25	790	2.5	100
JWIC0603-R33□□	G、J、K	330	100	25	790	3.89	100
JWIC0603-R39□□	G、J、K	390	100	25	780	4.35	100
JWIC0603-R47□□	G、J、K	470	100	25	700	4.5	100
JWIC0603-R56□□	G、J、K	560	100	23	460	5	90

注：电感量偏差为G、J或K；G±2%；J±5%；K±10%。

JWIC0805 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试 频率 TestFreq (MHz)	Q值 QMin	自谐振频 率SRF (MHz)Min	直流电 阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC0805-2N2□□	K	2.2	250	50@1GHz	7900	0.06	800
JWIC0805-2N7□□	G、J、K	2.7	250	50@1GHz	7900	0.06	800
JWIC0805-2N8□□	G、J、K	2.7	250	40@1.5GHz	7900	0.06	800
JWIC0805-2N9□□	J、K	2.9	250	40@1.5GHz	7900	0.06	800
JWIC0805-3N0□□	J、K	3	250	40@1.5GHz	7900	0.06	800
JWIC0805-3N3□□	K	3.3	250	40@1.5GHz	7900	0.08	600
JWIC0805-3N6□□	K	3.6	250	20@1GHz	7900	0.1	200
JWIC0805-3N9□□	K	3.9	250	20@1GHz	7900	0.11	150
JWIC0805-4N7□□	K	4.7	250	35@1GHz	6200	0.08	600
JWIC0805-5N1□□	G、J、K	5.1	250	50@1GHz	6200	0.08	600
JWIC0805-5N6□□	G、J、K	5.6	250	65@1GHz	5900	0.08	600
JWIC0805-6N2□□	G、J、K	6.2	250	65@1GHz	5900	0.08	600
JWIC0805-6N8□□	G、J、K	6.8	250	50@1GHz	5600	0.11	600
JWIC0805-7N5□□	G、J、K	7.5	250	50@1GHz	4800	0.14	600
JWIC0805-8N2□□	G、J、K	8.2	250	50@1GHz	4400	0.12	600
JWIC0805-9N1□□	G、J、K	9.1	250	60@500MHz	4300	0.1	600
JWIC0805-10N□□	G、J、K	10	250	60@500MHz	4300	0.1	600
JWIC0805-12N□□	G、J、K	12	250	50@500MHz	4000	0.15	600
JWIC0805-15N□□	G、J、K	15	250	50@500MHz	3200	0.17	600
JWIC0805-16N□□	G、J、K	16	250	50@500MHz	3200	0.17	600
JWIC0805-18N□□	G、J、K	18	250	50@500MHz	3100	0.2	600
JWIC0805-20N□□	G、J、K	20	250	55@500MHz	2600	0.22	500
JWIC0805-22N□□	G、J、K	22	250	55@500MHz	2600	0.22	500
JWIC0805-23N□□	G、J、K	23	250	50@500MHz	2400	0.22	500
JWIC0805-24N□□	G、J、K	24	250	50@500MHz	2400	0.22	500
JWIC0805-25N□□	G、J、K	25	250	50@500MHz	2450	0.22	500
JWIC0805-27N□□	G、J、K	27	250	55@500MHz	2580	0.25	500
JWIC0805-30N□□	G、J、K	30	250	55@500MHz	2400	0.25	500
JWIC0805-33N□□	G、J、K	33	250	60@500MHz	2150	0.27	500
JWIC0805-36N□□	G、J、K	36	250	55@500MHz	1900	0.27	500
JWIC0805-39N□□	G、J、K	39	250	60@500MHz	1850	0.29	500
JWIC0805-43N□□	G、J、K	43	200	60@500MHz	1800	0.34	500
JWIC0805-47N□□	G、J、K	47	200	60@500MHz	1700	0.31	500
JWIC0805-50N□□	G、J、K	50	200	60@500MHz	1650	0.34	500
JWIC0805-56N□□	G、J、K	56	200	60@500MHz	1600	0.34	500
JWIC0805-62N□□	G、J、K	62	200	60@500MHz	1450	0.36	500
JWIC0805-64N□□	G、J、K	64	200	60@500MHz	1500	0.38	500
JWIC0805-66N□□	G、J、K	66	200	60@500MHz	1500	0.38	500
JWIC0805-68N□□	G、J、K	68	200	60@500MHz	1500	0.38	500
JWIC0805-75N□□	G、J、K	75	150	60@500MHz	1400	0.4	450
JWIC0805-78N□□	G、J、K	78	150	60@500MHz	1400	0.4	450
JWIC0805-82N□□	G、J、K	82	150	65@500MHz	1330	0.42	400

注: 电感量偏差为G、J或K; G±2%; J±5%; K±10%。

JWIC0805 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试 频率 TestFreq (MHz)	Q值 QMin	自谐振频 率SRF (MHz)Min	直流电 阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC0805-91N□□	G、J、K	91	150	65@500MHz	1330	0.48	400
JWIC0805-92N□□	G、J、K	92	150	65@500MHz	1330	0.48	400
JWIC0805-R10□□	G、J、K	100	150	65@500MHz	1250	0.46	400
JWIC0805-R11□□	G、J、K	110	150	50@250MHz	1100	0.48	400
JWIC0805-R12□□	G、J、K	120	150	50@250MHz	1100	0.51	400
JWIC0805-R14□□	G、J、K	140	100	50@250MHz	920	0.56	400
JWIC0805-R15□□	G、J、K	150	100	50@250MHz	920	0.56	400
JWIC0805-R16□□	G、J、K	160	100	50@250MHz	920	0.6	400
JWIC0805-R18□□	G、J、K	180	100	50@250MHz	920	0.64	400
JWIC0805-R20□□	G、J、K	200	100	50@250MHz	860	0.68	400
JWIC0805-R215□□	G、J、K	215	100	50@250MHz	820	0.7	400
JWIC0805-R22□□	G、J、K	220	100	50@250MHz	820	0.7	400
JWIC0805-R24□□	G、J、K	240	100	44@250MHz	770	1	350
JWIC0805-R25□□	G、J、K	250	100	45@250MHz	750	1.2	350
JWIC0805-R27□□	G、J、K	270	100	48@250MHz	730	1	350
JWIC0805-R28□□	G、J、K	280	100	48@250MHz	550	1.35	350
JWIC0805-R29□□	G、J、K	290	150	48@250MHz	450	1.4	310
JWIC0805-R30□□	G、J、K	300	150	48@250MHz	450	1.4	310
JWIC0805-R33□□	G、J、K	330	100	48@250MHz	650	1.4	310
JWIC0805-R36□□	G、J、K	360	100	48@250MHz	630	1.45	300
JWIC0805-R39□□	G、J、K	390	100	48@250MHz	600	1.5	290
JWIC0805-R42□□	J、K	420	50	33@100MHz	425	1.7	250
JWIC0805-R43□□	J、K	430	50	33@100MHz	425	1.7	250
JWIC0805-R47□□	J、K	470	50	33@100MHz	375	1.76	250
JWIC0805-R56□□	J、K	560	25	23@50MHz	330	1.9	230
JWIC0805-R62□□	J、K	620	25	23@50MHz	320	2.2	210
JWIC0805-R68□□	J、K	680	25	23@50MHz	310	2.2	190
JWIC0805-R75□□	J、K	750	25	23@50MHz	310	2.3	180
JWIC0805-R82□□	J、K	820	25	23@50MHz	310	2.35	180
JWIC0805-R88□□	J、K	880	25	23@50MHz	310	2.35	180
JWIC0805-R91□□	J、K	910	25	22@50MHz	250	2.45	170
JWIC0805-1R0□□	J、K	1000	25	20@50MHz	220	2.5	170
JWIC0805-1R2□□	J、K	1200	25	20@25MHz	180	2.9	150
JWIC0805-1R5□□	J、K	1500	25	20@25MHz	160	3.3	150
JWIC0805-1R6□□	J、K	1600	25	20@25MHz	140	3.4	150
JWIC0805-1R8□□	J、K	1800	25	20@25MHz	130	3.5	120
JWIC0805-2R2□□	J、K	2200	25	20@25MHz	100	4.5	120
JWIC0805-2R7□□	J、K	2700	25	18@25MHz	80	4.8	100
JWIC0805-3R0□□	J、K	3000	25	18@25MHz	60	5	60
JWIC0805-3R3□□	J、K	3300	25	18@25MHz	50	6.8	50
JWIC0805-4R7□□	J、K	4700	25	18@25MHz	40	7	30

注：电感量偏差为G、J或K；G±2%；J±5%；K±10%。

JWIC1008 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试 频率 TestFreq (MHz)	Q值 QMin	自谐振频 率SRF (MHz)Min	直流电 阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC1008-3N9□□	J、K	3.9	50	50@500MHz	4100	0.08	1000
JWIC1008-4N7□□	J、K	4.7	50	50@500MHz	4100	0.08	1000
JWIC1008-5N6□□	J、K	5.6	50	30@500MHz	4100	0.2	650
JWIC1008-6N2□□	G、J、K	6.2	50	20@500MHz	4100	0.2	400
JWIC1008-10N□□	G、J、K	10	50	50@500MHz	4100	0.08	1000
JWIC1008-12N□□	G、J、K	12	50	50@500MHz	3300	0.09	1000
JWIC1008-15N□□	G、J、K	15	50	50@500MHz	2500	0.1	1000
JWIC1008-18N□□	G、J、K	18	50	50@350MHz	2500	0.11	1000
JWIC1008-22N□□	G、J、K	22	50	55@350MHz	2400	0.12	1000
JWIC1008-24N□□	G、J、K	24	50	55@350MHz	1600	0.13	1000
JWIC1008-27N□□	G、J、K	27	50	55@350MHz	1600	0.13	1000
JWIC1008-33N□□	G、J、K	33	50	60@350MHz	1600	0.14	1000
JWIC1008-36N□□	G、J、K	36	50	60@350MHz	1500	0.15	1000
JWIC1008-39N□□	G、J、K	39	50	60@350MHz	1500	0.15	1000
JWIC1008-47N□□	G、J、K	47	50	65@350MHz	1500	0.16	1000
JWIC1008-51N□□	G、J、K	51	50	65@350MHz	1300	0.18	1000
JWIC1008-54N□□	G、J、K	54	50	65@350MHz	1300	0.18	1000
JWIC1008-56N□□	G、J、K	56	50	65@350MHz	1300	0.18	1000
JWIC1008-65N□□	G、J、K	65	50	65@350MHz	1300	0.2	1000
JWIC1008-68N□□	G、J、K	68	50	65@350MHz	1300	0.2	1000
JWIC1008-75N□□	G、J、K	75	50	60@350MHz	1000	0.22	1000
JWIC1008-82N□□	G、J、K	82	50	60@350MHz	1000	0.22	1000
JWIC1008-R10□□	G、J、K	100	25	60@350MHz	1000	0.56	650
JWIC1008ESR11□□	G、J、K	110	25	60@350MHz	950	0.63	650
JWIC1008-R12□□	G、J、K	120	25	60@350MHz	950	0.63	650
JWIC1008-R15□□	G、J、K	150	25	45@100MHz	850	0.7	580
JWIC1008-R18□□	G、J、K	180	25	45@100MHz	750	0.77	620
JWIC1008-R185□□	G、J、K	185	25	45@100MHz	750	0.77	620
JWIC1008-R20□□	G、J、K	200	25	45@100MHz	700	0.84	500
JWIC1008-R21□□	G、J、K	210	25	45@100MHz	700	0.84	500
JWIC1008-R215□□	G、J、K	215	25	45@100MHz	700	0.84	500
JWIC1008-R22□□	G、J、K	220	25	45@100MHz	700	0.84	500
JWIC1008-R235□□	G、J、K	235	25	45@100MHz	700	0.84	500
JWIC1008-R24□□	G、J、K	240	25	45@100MHz	700	0.84	500
JWIC1008-R26□□	G、J、K	260	25	45@100MHz	600	0.91	500

注：电感量偏差为G、J或K；G±2%；J±5%；K±10%。

JWIC1008 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试 频率 TestFreq (MHz)	Q值 QMin	自谐振频 率SRF (MHz)Min	直流电 阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC1008-R27□□	G、J、K	270	25	45@100MHz	600	0.91	500
JWIC1008-R29□□	G、J、K	290	25	45@100MHz	570	1.05	450
JWIC1008-R30□□	G、J、K	300	25	45@100MHz	570	1.05	450
JWIC1008-R33□□	G、J、K	330	25	45@100MHz	570	1.05	450
JWIC1008-R35□□	G、J、K	350	25	45@100MHz	500	1.12	470
JWIC1008-R36□□	G、J、K	360	25	45@100MHz	500	1.12	470
JWIC1008-R39□□	G、J、K	390	25	45@100MHz	500	1.12	470
JWIC1008-R43□□	G、J、K	430	25	45@100MHz	450	1.19	470
JWIC1008-R47□□	G、J、K	470	25	45@100MHz	450	1.19	470
JWIC1008-R51□□	G、J、K	510	25	45@100MHz	415	1.33	400
JWIC1008-R54□□	G、J、K	540	25	45@100MHz	415	1.33	400
JWIC1008-R56□□	G、J、K	560	25	45@100MHz	415	1.33	400
JWIC1008-R62V□□	G、J、K	620	25	45@100MHz	375	1.4	300
JWIC1008-R64□□	G、J、K	640	25	45@100MHz	375	1.4	300
JWIC1008-R66□□	G、J、K	660	25	45@100MHz	375	1.47	400
JWIC1008-R68□□	G、J、K	680	25	45@100MHz	375	1.47	400
JWIC1008-R75□□	G、J、K	750	25	45@100MHz	360	1.54	360
JWIC1008-R82□□	G、J、K	820	25	45@100MHz	350	1.61	400
JWIC1008-R88□□	G、J、K	880	25	35@50MHz	320	1.68	380
JWIC1008-R91□□	G、J、K	910	25	35@50MHz	320	1.68	380
JWIC1008-1R0□□	G、J、K	1000	25	35@50MHz	290	1.75	370
JWIC1008-1R2□□	G、J、K	1200	7.9	35@50MHz	250	2	310
JWIC1008-1R5□□	G、J、K	1500	7.9	28@50MHz	200	2.3	330
JWIC1008-1R6□□	G、J、K	1600	7.9	28@50MHz	200	2.3	330
JWIC1008-1R8□□	G、J、K	1800	7.9	28@50MHz	160	2.6	300
JWIC1008-2R0□□	G、J、K	2000	7.9	28@50MHz	160	2.8	280
JWIC1008-2R2□□	G、J、K	2200	7.9	28@50MHz	160	2.8	280
JWIC1008-2R7□□	G、J、K	2700	7.9	22@25MHz	140	3.2	290
JWIC1008-3R3□□	G、J、K	3300	7.9	22@25MHz	110	3.4	290
JWIC1008-3R9□□	G、J、K	3900	7.9	20@25MHz	100	3.6	260
JWIC1008-4R7□□	J、K	4700	7.9	20@7.9MHz	60	4	260
JWIC1008-5R6□□	J、K	5600	7.9	16@7.9MHz	20	5.7	240
JWIC1008-6R8□□	J、K	6800	7.9	18@7.9MHz	40	7.7	200
JWIC1008-8R2□□	J、K	8200	7.9	18@7.9MHz	25	10.7	170
JWIC1008-100□□	J、K	10000	7.9	18@7.9MHz	25	12.7	100

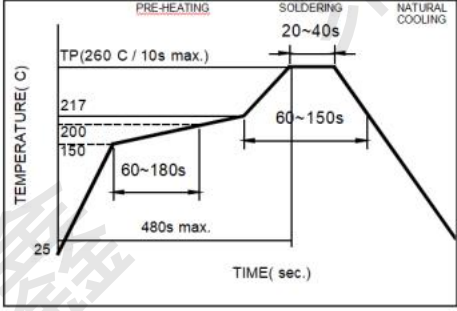
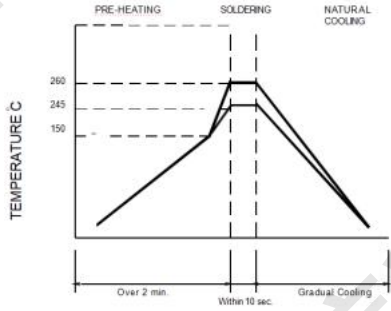
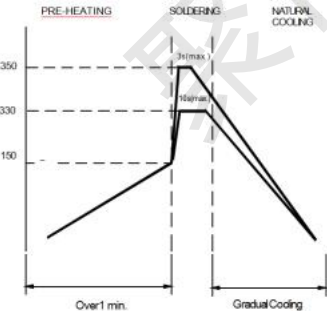
注: 电感量偏差为G、J或K; G±2%; J±5%; K±10%。

JWIC1210 Series

型号规格 Part NO.	精度级别 accuracy grade	感量 Inductance (nH)	Q 值测试 频率 TestFreq (MHz)	Q值 QMin	自谐振频 率SRF (MHz)Min	直流电 阻 Rdc(Ω) Max	额定电流 I _{rms} (mA) Max
JWIC1210-12N□□	G、J、K	12	100	40@300MHz	3200	0.08	1000
JWIC1210-15N□□	J、K	15	100	40@300MHz	3200	0.2	1000
JWIC1210-56N□□	G、J、K	56	100	55@300MHz	1450	0.14	1000
JWIC1210-R10□□	G、J、K	100	100	55@300MHz	900	0.2	850
JWIC1210-R12□□	G、J、K	120	100	60@300MHz	800	0.25	800
JWIC1210-R15□□	G、J、K	150	100	60@300MHz	700	0.3	750
JWIC1210-R18□□	G、J、K	180	50	60@300MHz	650	0.3	700
JWIC1210-R22□□	G、J、K	220	50	60@300MHz	650	0.4	770
JWIC1210-R24□□	G、J、K	240	50	40@300MHz	580	0.4	630
JWIC1210-R27□□	G、J、K	270	50	40@300MHz	580	0.4	630
JWIC1210-R33□□	G、J、K	330	50	45@150MHz	580	0.58	590
JWIC1210-R36□□	G、J、K	360	50	45@150MHz	510	0.58	530
JWIC1210-R39□□	G、J、K	390	50	45@150MHz	510	0.58	530
JWIC1210-R68□□	G、J、K	680	25	45@150MHz	400	1.2	430
JWIC1210-1R0□□	G、J、K	1000	25	45@150MHz	340	2.1	320
JWIC1210-1R5□□	G、J、K	1500	8	20@50MHz	160	1.95	310
JWIC1210-1R8□□	G、J、K	1800	8	30@50MHz	160	3.5	310
JWIC1210-2R2□□	G、J、K	2200	8	25@50MHz	130	3.8	310
JWIC1210-2R7□□	G、J、K	2700	8	25@50MHz	110	3.5	300
JWIC1210-3R3□□	G、J、K	3300	8	20@25MHz	60	4	290
JWIC1210-4R7□□	J、K	4700	8	20@25MHz	60	5	280
JWIC1210-5R6□□	J、K	5600	8	15@25MHz	50	6	250
JWIC1210-6R8□□	J、K	6800	8	15@7.9MHz	40	9	230
JWIC1210-8R2□□	J、K	8200	8	20@7.9MHz	50	9.5	170
JWIC1210-100□□	J、K	10000	8	15@7.9MHz	30	10	150

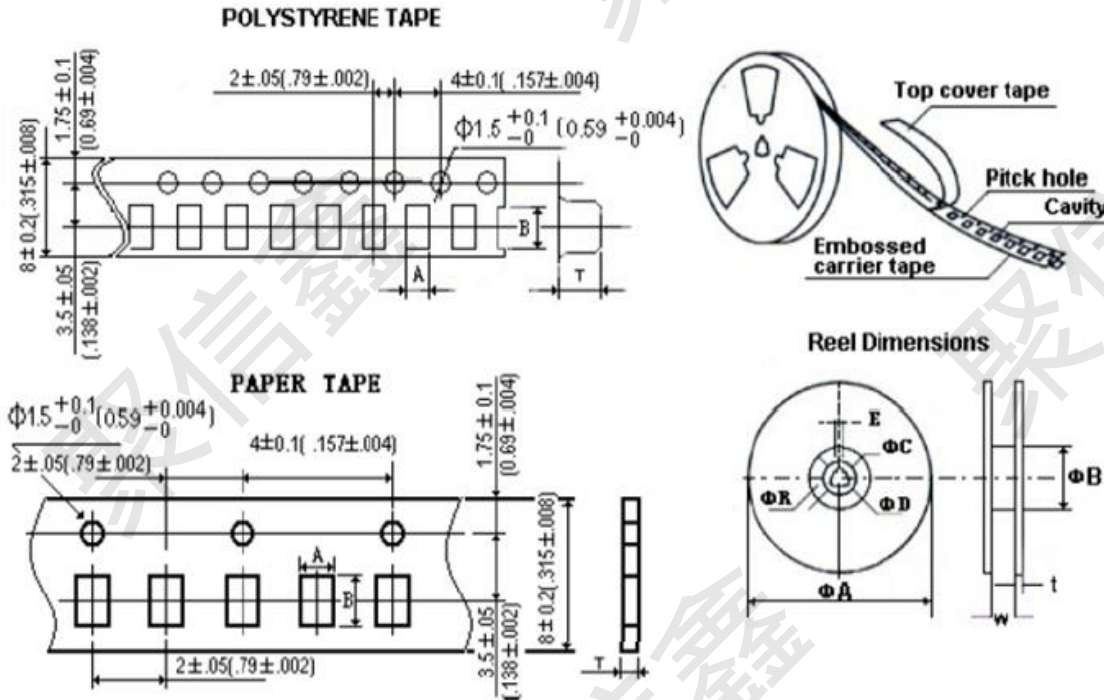
注：电感量偏差为G、J或K；G±2%；J±5%；K±10%。

焊接条件 Soldering Conditions

Items	Test Methods and Remarks	Requirements
<p>Figure 1. Re-flow Soldering (Lead Free)</p>		<p>Note:</p> <ul style="list-style-type: none"> ·Preheat circuit and products to 150°C ·280°C tip temperature (max)
<p>Figure 2. Wave Soldering</p>		<p>Note:</p> <ul style="list-style-type: none"> ·Never contact the ceramic with the iron tip ·1.0mm tip diameter (max)
<p>Figure 3. Hand Soldering</p>		<p>Note:</p> <ul style="list-style-type: none"> ·Use a 20 watt soldering iron with tip diameter of 1.0mm ·Limit soldering time to 3 sec.

产品包装 Packaging(unit: mm)

Tape



Part NO.		A	B	T
纸带	0402	0.74	1.23	0.6
胶带	0603	1.15	1.83	0.95
	0805	1.85	2.4	1.45
	1008	2.73	2.9	2.34
	1210	2.96	3.6	2.4
	1812	3.22	4.82	3.15

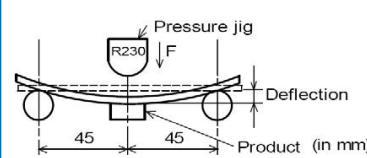
unit	ΦA	ΦB	ΦC	ΦD	E	W	t	R
mm	178	60	13	21	2	10	2	1
	330	75	13	23	2	12	2	1

包装数量 (单位: 粒) Packaging number (Unit: Pcs)

规格	0402	0603	0805	1008	1210	1812
数量(pcs)	10000	4000	3000	2000	2000	2000

可靠性测试 Reliability testing

TEST ITEM	SPECIFICATION		TEST CONDITION
	JWIC0402、 JWIC0603 、 JWIC0805、 JWIC1008、 JWIC1210	JWIF0402、 JWIF0603、 JWIF0805、 JWIF1210	
Operating Temperature Range	- 40 ~+125℃	- 40 ~+85℃	
Storage Temperature Range	- 40 ~+125℃	- 40 ~+85℃	
Rating current	150~1360mA(max)	40~1000mA (max)	Current sources:33010D
Inductance	1.0~8600uH	1.0~1000uH	Test Frequency:0.252~250MHz Test Equipment:HP4291A、 HP4286A、 HP4287A、 HP4284A Test Fixture:16193Aor16334A
Q	16~65(min)	10~35(min)	Test Frequency:0.252~1500MHz Test Equipment:HP4291A、 HP4286A、 HP4287A、 Test Fixture:16193Aor16334A
RDC	0.030~9.00Ω (max)	0.20~21.00Ω(max)	Test Equipment:HP4263B
SRF	55~12500MHz(min)	1.6~350MHz(min)	Test Equipment:HP4291A Test Fixture:16193A
Solderability	The metalized area must have more then 90%of solder coverage		Soldering Temp:230±5℃ Dipping time:5±1S
Resistance to soldering heat	No evidence of mechanical damage The metalized area must have more then 75%of solder coverage Inductance change,less than±5% Q change less than±10%		Soldering Temp:260±5℃ Dipping time:10±1S
Thermal Shock	No evidence of mechanical damage Inductance change,less than±5% Q change less than±10%		A cycle contain:Step1:-40℃, 30Min Step2:-85℃, 30Min Cycle Times:10

TEST ITEM	SPECIFICATION	TEST CONDITION
High Temperature Storage	No evidence of mechanical damage Inductance change, less than $\pm 5\%$ Q change less than $\pm 10\%$	Test Temperature: $125 \pm 2^\circ\text{C}$ (Ceramic core) $85 \pm 2^\circ\text{C}$ (Ferrite core) Test Time: 96 ± 2 Hours
Low Temperature Storage	No evidence of mechanical damage Inductance change, less than $\pm 5\%$ Q change less than $\pm 10\%$	Test Temperature: $-40 \pm 2^\circ\text{C}$ Test Time: 96 ± 2 Hours
Moisture Resistance	No evidence of mechanical damage Inductance change, less than $\pm 5\%$ Q change less than $\pm 10\%$	Test Temperature: $50 \pm 2^\circ\text{C}$ Test Time: 100 Hours 相对湿度 90~95%
Vibration	No evidence of mechanical damage Inductance change, less than $\pm 5\%$ Q change less than $\pm 10\%$	Amplitude: 1.5mm X、Y、Z方向 1Hours 45min Frequency range: 10~55~10Hz (min)
Component Adhesion	No evidence of mechanical damage No evidence of peel off or broken Keep continuity of Winding	Force: 2Kgf Test Time: 5 ± 1 秒
Resistance to bend	No evidence of mechanical damage	Camber: 20mm Test Board: Glass-Epoxy board board Thickness: 8mm 
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: 1000 Hours with rating current Test Time: 96 ± 2 Hours