深圳市正威尔电子有限公司
Shenzhen ZVELL Electronics CO.,LTD

特性：

1.陶瓷体线绕式设计，高可靠性

2.适用于高频应用工作环境。

3.占用空间小。

4.通过 ROHS 环保认证

Features：

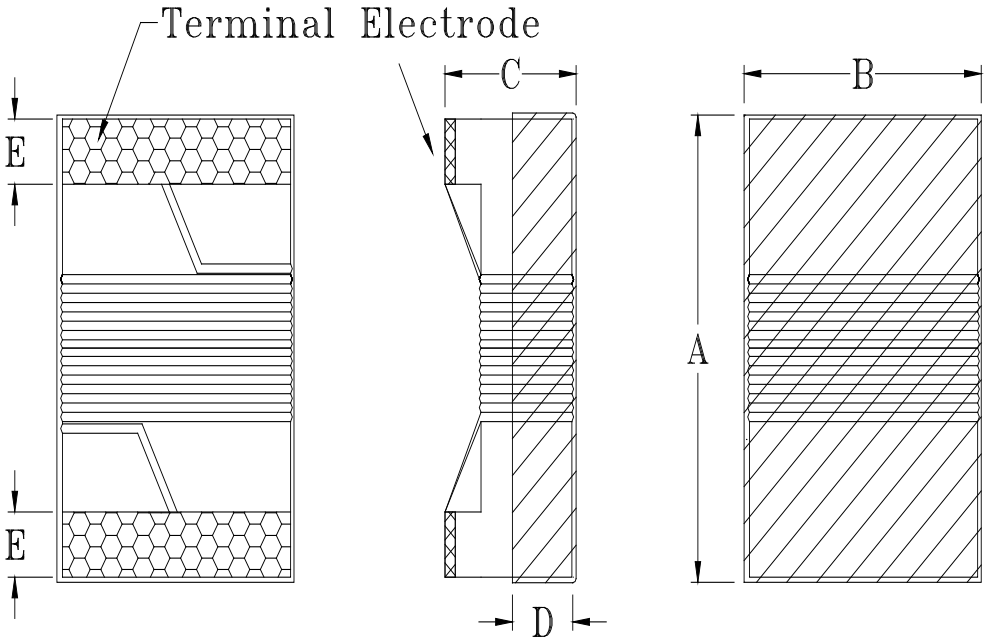
1. Ceramic wire wound type design, high reliability

2.Working environment is suitable for high frequency applications.

3. The small footprint.

4. By ROHS environmental protection certification

外观尺寸(Appearance of Size):



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
WLQ1005	1.19 max.	0.64 max.	0.66 max.	0.25 ref.	0.23±0.1
WLQ1608	1.80 max.	1.20 max.	1.02 max.	0.38 ref.	0.35±0.1
WLQ2012	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1
WLQ1008	2.90 max.	2.50 max.	2.03 max.	1.20 ref.	0.55±0.1

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Part Numbering

WLQ 1608 – 1N0 S

a b c d

a	系列
b	尺寸
c	电感量
d	感量精度(B=±0.2nH, S=±0.3nH, G=±2%, J=±5%, K=±10%)

WLQ1005 系列电气性能

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	900MHz		1.7GHz		I rms (mA)	DCR (Ω) max.	SRF (GHz) min.
					L Typ.	Q Typ.	L Typ.	Q Typ.			
WLQ1005-1N0	1.0	B,S	16	0.1V/250M	1.02	77	1.02	69	1360	0.045	12.7
WLQ1005-1N2	1.2	B,S	16	0.1V/250M	1.17	28	1.17	38	740	0.090	12.9
WLQ1005-1N8	1.8	B,S	16	0.1V/250M	1.78	54	1.78	75	1040	0.070	12.00
WLQ1005-1N9	1.9	B,S	16	0.1V/250M	1.72	68	1.72	82	1040	0.070	11.30
WLQ1005-2N0	2.0	B,S	16	0.1V/250M	1.93	54	1.93	75	1040	0.070	11.10
WLQ1005-2N2	2.2	B,S	19	0.1V/250M	2.19	59	2.23	100	960	0.070	10.80
WLQ1005-2N4	2.4	B,S	15	0.1V/250M	2.24	51	2.27	68	790	0.068	10.50
WLQ1005-2N7	2.7	B,S	16	0.1V/250M	2.58	42	2.60	61	640	0.120	10.40
WLQ1005-3N3	3.3	B,S	19	0.1V/250M	3.10	65	3.12	87	840	0.066	7.00
WLQ1005-3N6	3.6	B,S	19	0.1V/250M	3.56	45	3.62	71	840	0.066	6.80
WLQ1005-3N9	3.9	B,S	19	0.1V/250M	3.89	50	4.00	75	840	0.066	6.00
WLQ1005-4N3	4.3	B,S	18	0.1V/250M	4.19	47	4.30	71	700	0.091	6.00
WLQ1005-4N7	4.7	B,S	15	0.1V/250M	4.55	48	4.68	68	640	0.130	4.77
WLQ1005-5N1	5.1	B,S	20	0.1V/250M	5.15	56	5.25	82	800	0.083	4.80
WLQ1005-5N6	5.6	B,S	20	0.1V/250M	5.16	54	5.28	81	760	0.083	4.80
WLQ1005-6N2	6.2	B,S	20	0.1V/250M	6.16	52	6.37	76	760	0.083	4.80
WLQ1005-6N8	6.8	B,J	20	0.1V/250M	6.56	63	6.93	78	680	0.083	4.80

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Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency(Hz)	900MHz		1.7GHz		I rms (mA)	DCR (Ω) max.	SRF (GHz) min.
					L Typ.	Q Typ.	L Typ.	Q Typ.			
WLQ1005-7N5	7.5	B,J	22	0.1V/250M	7.91	60	8.22	88	680	0.10	4.80
WLQ1005-8N2	8.2	B,J	22	0.1V/250M	8.50	57	8.85	84	680	0.10	4.40
WLQ1005-8N7	8.7	B,J	18	0.1V/250M	8.78	54	9.21	73	480	0.20	4.10
WLQ1005-9N0	9.0	B,J	22	0.1V/250M	9.07	62	9.53	78	680	0.10	4.16
WLQ1005-9N5	9.5	B,J	18	0.1V/250M	9.42	54	9.98	69	480	0.20	4.00
WLQ1005-10N	10	G,J	21	0.1V/250M	9.8	50	10.10	67	480	0.20	3.90
WLQ1005-11N	11	G,J	24	0.1V/250M	10.7	52	11.20	78	640	0.12	3.68
WLQ1005-12N	12	G,J	24	0.1V/250M	11.9	53	12.70	71	640	0.12	3.60
WLQ1005-13N	13	G,J	24	0.1V/250M	13.4	51	14.63	57	440	0.21	3.45
WLQ1005-15N	15	G,J	24	0.1V/250M	14.6	55	15.50	77	560	0.17	3.28
WLQ1005-16N	16	G,J	24	0.1V/250M	16.6	46	18.86	47	560	0.22	3.10
WLQ1005-18N	18	G,J	25	0.1V/250M	18.3	57	20.28	62	420	0.23	3.10
WLQ1005-19N	19	G,J	24	0.1V/250M	19.1	50	21.10	67	480	0.20	3.04
WLQ1005-20N	20	G,J	25	0.1V/250M	20.7	52	23.66	53	420	0.25	3.00
WLQ1005-22N	22	G,J	25	0.1V/250M	23.2	53	26.75	53	400	0.30	2.80
WLQ1005-23N	23	G,J	22	0.1V/250M	23.8	49	26.90	64	400	0.30	2.72
WLQ1005-24N	24	G,J	25	0.1V/250M	25.1	51	29.50	50	400	0.30	2.70
WLQ1005-27N	27	G,J	24	0.1V/250M	28.7	49	33.50	63	400	0.30	2.48
WLQ1005-30N	30	G,J	25	0.1V/250M	31.1	46	38.50	39	400	0.30	2.35
WLQ1005-33N	33	G,J	24	0.1V/250M	34.9	31	41.74	32	400	0.30	2.35
WLQ1005-36N	36	G,J	24	0.1V/250M	39.5	44	48.40	53	320	0.44	2.32
WLQ1005-39N	39	G,J	25	0.1V/250M	41.7	47	50.23	45	200	0.55	2.10
WLQ1005-40N	40	G,J	24	0.1V/250M	39.0	44	47.40	33	320	0.44	2.24
WLQ1005-43N	43	G,J	25	0.1V/250M	45.8	46	61.55	34	100	0.81	2.03
WLQ1005-47N	47	G,J	20	0.1V/250M	50.0	38			150	0.83	2.10
WLQ1005-51N	51	G,J	25	0.1V/250M	56.6	40			100	0.82	1.75
WLQ1005-56N	56	G,J	22	0.1V/250M	62.8	42			100	0.97	1.76
WLQ1005-68N	68	G,J	22	0.1V/250M	78.2	36			100	1.12	1.62
WLQ1005-82N	82	G,J	20	0.1V/250M					50	1.55	1.26
WLQ1005-R10	100	G,J	20	0.1V/250M					30	2.00	1.16
WLQ1005-R12	120	G,J	18	0.1V/250M					50	1.78	1.90

WLQ1608 系列电气性能

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency(Hz)	900MHz		1.7GHz		I rms (mA)	DCR (Ω) max.	SRF (GHz) min.
					L Typ.	Q Typ.	L Typ.	Q Typ.			
WLQ1608-1N6	1.6	B,S	24	0.1V/250M	1.67	49	1.65	63	700	0.030	12500
WLQ1608-1N8	1.8	B,S	16	0.1V/250M	1.83	35	1.86	50	700	0.045	12500
WLQ1608-2N2	2.2	B,S	13	0.1V/250M	2.22	31	2.24	44	700	0.045	12500
WLQ1608-3N3	3.3	B,S	35	0.1V/250M	3.31	75	3.38	88	700	0.045	5900
WLQ1608-3N6	3.6	B,S	22	0.1V/250M	3.72	53	3.71	65	700	0.063	5900
WLQ1608-3N9	3.9	B,S	22	0.1V/250M	3.95	49	3.96	67	700	0.080	6900
WLQ1608-4N3	4.3	B,S	22	0.1V/250M	4.32	50	4.33	70	700	0.063	5900
WLQ1608-4N7	4.7	B,S	20	0.1V/250M	4.72	47	4.75	57	700	0.116	5800
WLQ1608-5N1	5.1	B,S	20	0.1V/250M	4.93	47	4.95	56	700	0.140	5700
WLQ1608-5N6	5.6	B,S	26	0.1V/250M	5.77	63	6.05	80	700	0.075	4760

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Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency(Hz)	900MHz		1.7GHz		I rms (mA)	DCR (Ω) max.	SRF (GHz) min.
					L Typ.	Q Typ.	L Typ.	Q Typ.			
WLQ1608-6N8	6.8	B,J	27	0.1V/250M	6.75	60	7.10	81	700	0.110	5800
WLQ1608-7N5	7.5	G,J	28	0.1V/250M	7.70	60	7.82	65	700	0.106	4800
WLQ1608-8N2	8.2	G,J	30	0.1V/250M	8.25	82	8.37	87	700	0.115	4200
WLQ1608-8N7	8.7	G,J	28	0.1V/250M	8.86	62	9.32	58	700	0.109	4600
WLQ1608-9N5	9.5	G,J	28	0.1V/250M	9.7	59	9.92	61	700	0.135	5400
WLQ1608-10N	10	G,J	31	0.1V/250M	10.0	66	10.6	83	700	0.130	4800
WLQ1608-11N	11	G,J	30	0.1V/250M	11.0	53	11.5	56	700	0.086	4000
WLQ1608-12N	12	G,J	35	0.1V/250M	12.3	72	13.5	83	700	0.130	4000
WLQ1608-15N	15	G,J	35	0.1V/250M	15.4	64	16.8	89	700	0.170	4000
WLQ1608-16N	16	G,J	34	0.1V/250M	16.2	55	17.3	52	700	0.104	3300
WLQ1608-18N	18	G,J	35	0.1V/250M	18.7	70	21.4	69	700	0.170	3100
WLQ1608-22N	22	G,J	38	0.1V/250M	22.8	73	26.1	71	700	0.190	3000
WLQ1608-23N	23	G,J	38	0.1V/250M	24.1	71	28.0	67	700	0.190	2850
WLQ1608-24N	24	G,J	36	0.1V/250M	24.5	45	28.7	39	700	0.135	2650
WLQ1608-27N	27	G,J	40	0.1V/250M	29.2	74	34.6	65	600	0.220	2800
WLQ1608-30N	30	G,J	37	0.1V/250M	31.4	47	39.9	28	600	0.144	2250
WLQ1608-33N	33	G,J	40	0.1V/250M	36.0	67	49.5	42	600	0.220	2300
WLQ1608-36N	36	G,J	37	0.1V/250M	39.4	47	52.7	24	600	0.250	2080
WLQ1608-39N	39	G,J	40	0.1V/250M	42.7	60	60.2	40	600	0.250	2200
WLQ1608-43N	43	G,J	38	0.1V/250M	47	44	64.9	21	600	0.280	2000
WLQ1608-47N	47	G,J	38	0.1V/200M	52.2	62	77.2	35	600	0.280	2000
WLQ1608-51N	51	G,J	35	0.1V/200M	55.5	69	82.2	34	600	0.270	1900
WLQ1608-56N	56	G,J	38	0.1V/200M	62.5	56	97.0	26	600	0.310	1900
WLQ1608-68N	68	G,J	37	0.1V/200M	80.5	54	168	21	600	0.340	1700
WLQ1608-72N	72	G,J	34	0.1V/150M	82	53	135	20	400	0.490	1700
WLQ1608-82N	82	G,J	34	0.1V/150M	96.2	54	177	21	400	0.540	1700
WLQ1608-R10	100	G,J	34	0.1V/150M	124	49			400	0.580	1400
WLQ1608-R11	110	G,J	32	0.1V/150M	138	43			300	0.610	1350
WLQ1608-R12	120	G,J	32	0.1V/150M	166	39			300	0.650	1300
WLQ1608-R15	150	G,J	28	0.1V/150M	250	25			280	0.920	990
WLQ1608-R18	180	G,J	25	0.1V/100M	305	22			240	1.25	990
WLQ1608-R20	200	G,J	25	0.1V/100M					200	1.98	900
WLQ1608-R21	210	G,J	27	0.1V/100M					200	2.06	895
WLQ1608-R22	220	G,J	25	0.1V/100M					200	2.10	900
WLQ1608-R25	250	G,J	25	0.1V/100M					120	3.55	822
WLQ1608-R27	270	G,J	24	0.1V/100M					170	2.30	900
WLQ1608-R33	330	G,J	25	0.1V/100M					100	3.89	900
WLQ1608-R39	390	G,J	25	0.1V/100M					100	4.35	900

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WLQ2012 系列电气性能

Part Number	Inductance (nH)	Tolerance	Test Frequency	Q @ Test Freq. min.	I rms (mA)	DCR (Ω) max.	SRF (MHz) min.
WLQ2012-2N0	2.0	B,S	0.1V/250M	80/1500	800	0.03	12200
WLQ2012-3N0	3.0	B,S	0.1V/250M	65/1500	800	0.06	12200
WLQ2012-3N3	3.3	B,S	0.1V/250M	50/1500	600	0.08	12200
WLQ2012-3N9	3.9	B,S	0.1V/250M	60/1000	600	0.04	6100
WLQ2012-4N7	4.7	B,S	0.1V/250M	60/1000	600	0.04	6000
WLQ2012-5N6	5.6	B,S	0.1V/250M	65/1000	600	0.08	5900
WLQ2012-6N8	6.8	B,J,	0.1V/250M	50/1000	600	0.06	5600
WLQ2012-7N5	7.5	B,J,	0.1V/250M	50/1000	600	0.06	4800
WLQ2012-8N2	8.2	B,J,	0.1V/250M	50/1000	600	0.06	4700
WLQ2012-10N	10	G,J	0.1V/250M	60/500	600	0.08	4300
WLQ2012-12N	12	G,J	0.1V/250M	50/500	600	0.08	4000
WLQ2012-15N	15	G,J	0.1V/250M	50/500	600	0.10	3400
WLQ2012-18N	18	G,J	0.1V/250M	50/500	600	0.10	3300
WLQ2012-22N	22	G,J	0.1V/250M	60/500	600	0.12	2600
WLQ2012-24N	24	G,J	0.1V/250M	60/500	600	0.12	2400
WLQ2012-27N	27	G,J	0.1V/250M	60/500	600	0.12	2580
WLQ2012-33N	33	G,J	0.1V/250M	60/500	600	0.13	2150
WLQ2012-36N	36	G,J	0.1V/250M	65/500	600	0.13	1900
WLQ2012-39N	39	G,J	0.1V/250M	65/500	600	0.15	2000
WLQ2012-43N	43	G,J	0.1V/200M	65/500	600	0.15	1800
WLQ2012-47N	47	G,J	0.1V/200M	65/500	600	0.17	1700
WLQ2012-56N	56	G,J	0.1V/200M	65/500	600	0.19	1600
WLQ2012-68N	68	G,J	0.1V/200M	60/500	500	0.22	1500
WLQ2012-82N	82	G,J	0.1V/150M	65/500	400	0.40	1330
WLQ2012-91N	91	G,J	0.1V/150M	65/500	400	0.40	1330
WLQ2012-R10	100	G,J	0.1V/150M	65/500	400	0.52	1250
WLQ2012-R11	110	G,J	0.1V/150M	50/250	400	0.52	1100
WLQ2012-R12	120	G,J	0.1V/150M	50/250	400	0.55	1100
WLQ2012-R15	150	G,J	0.1V/150M	50/250	400	0.73	920
WLQ2012-R18	180	G,J	0.1V/100M	50/250	400	0.88	920
WLQ2012-R20	200	G,J	0.1V/100M	50/250	400	1.18	860
WLQ2012-R22	220	G,J	0.1V/100M	50/250	400	1.18	850
WLQ2012-R24	240	G,J	0.1V/100M	48/250	350	1.20	770
WLQ2012-R25	250	G,J	0.1V/100M	48/250	350	1.20	730
WLQ2012-R27	270	G,J	0.1V/100M	48/250	350	1.36	730
WLQ2012-R33	330	G,J	0.1V/100M	40/250	310	1.40	650
WLQ2012-R39	390	G,J	0.1V/100M	25/250	290	1.50	600
WLQ2012-R47	470	G,J	0.1V/50M	25/100	250	1.76	375
WLQ2012-R56	560	G,J	0.1V/25M	23/50	230	1.90	340
WLQ2012-R62	620	G,J	0.1V/25M	23/50	210	2.00	310
WLQ2012-R68	680	G,J	0.1V/25M	23/50	200	2.15	310
WLQ2012-R75	750	G,J	0.1V/25M	20/50	185	2.25	310
WLQ2012-R82	820	G,J	0.1V/25M	20/50	180	2.50	310
WLQ2012-1R0	1000	G,J	0.1V/25M	15/50	170	2.60	100

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WLQ1008 系列电气性能

Part Number	Inductance (nH)	Tolerance	Test Frequency	Q @ Test Freq. min.	I rms (mA)	DCR (Ω) max.	SRF (MHz) min.
WLQ1008-4N7	4.7	G, J	0.1V/50M	70/1500	1200	0.05	5000
WLQ1008-5N6	5.6	G, J	0.1V/50M	50/1500	1000	0.15	5000
WLQ1008-10N	10	G, J	0.1V/50M	50/500	1000	0.08	4100
WLQ1008-12N	12	G, J	0.1V/50M	50/500	1000	0.09	3300
WLQ1008-15N	15	G, J	0.1V/50M	50/500	1000	0.11	2500
WLQ1008-18N	18	G, J	0.1V/50M	50/350	1000	0.12	2400
WLQ1008-22N	22	G, J	0.1V/50M	55/350	1000	0.12	2400
WLQ1008-24N	24	G, J	0.1V/50M	55/350	1000	0.12	1900
WLQ1008-27N	27	G, J	0.1V/50M	55/350	1000	0.13	1600
WLQ1008-33N	33	G, J	0.1V/50M	60/350	1000	0.14	1600
WLQ1008-36N	36	G, J	0.1V/50M	60/350	1000	0.15	1600
WLQ1008-39N	39	G, J	0.1V/50M	60/350	1000	0.15	1500
WLQ1008-47N	47	G, J	0.1V/50M	65/350	1000	0.16	1500
WLQ1008-56N	56	G, J	0.1V/50M	65/350	1000	0.18	1300
WLQ1008-62N	62	G, J	0.1V/50M	65/350	1000	0.20	1300
WLQ1008-68N	68	G, J	0.1V/50M	65/350	1000	0.20	1300
WLQ1008-75N	75	G, J	0.1V/50M	60/350	1000	0.21	1100
WLQ1008-82N	82	G, J	0.1V/50M	60/350	1000	0.22	1000
WLQ1008-R10	100	G, J	0.1V/25M	60/350	650	0.56	1000
WLQ1008-R12	120	G, J	0.1V/25M	60/350	650	0.63	950
WLQ1008-R15	150	G, J	0.1V/25M	45/100	620	0.70	850
WLQ1008-R18	180	G, J	0.1V/25M	45/100	620	0.77	750
WLQ1008-R22	220	G, J	0.1V/25M	45/100	500	0.84	700
WLQ1008-R24	240	G, J	0.1V/25M	45/100	500	0.88	650
WLQ1008-R27	270	G, J	0.1V/25M	45/100	500	0.91	600
WLQ1008-R30	300	G, J	0.1V/25M	45/100	450	1.00	585
WLQ1008-R33	330	G, J	0.1V/25M	45/100	450	1.05	570
WLQ1008-R36	360	G, J	0.1V/25M	45/100	470	1.10	530
WLQ1008-R39	390	G, J	0.1V/25M	45/100	470	1.12	500
WLQ1008-R43	430	G, J	0.1V/25M	45/100	470	1.15	480
WLQ1008-R47	470	G, J	0.1V/25M	45/100	470	1.19	450
WLQ1008-R56	560	G, J	0.1V/25M	45/100	400	1.33	415
WLQ1008-R62	620	G, J	0.1V/25M	45/100	300	1.40	375
WLQ1008-R68	680	G, J	0.1V/25M	45/100	400	1.47	375
WLQ1008-R75	750	G, J	0.1V/25M	45/100	360	1.54	360
WLQ1008-R82	820	G, J	0.1V/25M	45/100	400	1.61	350
WLQ1008-R91	910	G, J	0.1V/25M	35/50	380	1.68	320
WLQ1008-1R0	1000	G, J	0.1V/25M	35/50	370	1.75	290
WLQ1008-1R2	1200	G, J	0.1V/7.9M	35/50	310	2.00	250
WLQ1008-1R5	1500	G, J	0.1V/7.9M	28/50	330	2.23	200
WLQ1008-1R8	1800	G, J	0.1V/7.9M	28/50	300	2.60	160
WLQ1008-2R2	2200	G, J	0.1V/7.9M	28/50	280	2.80	160
WLQ1008-2R7	2700	G, J	0.1V/7.9M	22/25	290	3.20	140

深圳市正威尔电子有限公司
Shenzhen ZVELL Electronics CO.,LTD

Part Number	Inductance (nH)	Tolerance	Test Frequency	Q @ Test Freq. min.	I rms (mA)	DCR (Ω) max.	SRF (MHz) min.
WLQ1008-3R3	3300	G, J	0.1V/7.9M	22/25	290	3.40	110
WLQ1008-3R9	3900	G, J	0.1V/7.9M	20/25	260	3.60	100
WLQ1008-4R7	4700	G, J	0.1V/7.9M	20/25	260	4.00	90
WLQ1008-5R6	5600	G, J	0.1V/7.9M	18/7.9	240	4.00	45
WLQ1008-6R8	6800	G, J	0.1V/7.9M	18/7.9	200	4.90	40
WLQ1008-8R2	8200	G, J	0.1V/7.9M	18/7.9	170	6.00	25
WLQ1008-100	10000	G, J	0.1V/2.52M	18/7.9	150	8.00	25

可靠性和测试条件(Reliability and Test Condition)

<table>
<tr><th>Item</th><th>Performance</th><th>Test Condition</th></tr>
<tr><td>Operating Temperature</td><td>-40~+85℃</td><td></td></tr>
<tr><td colspan="3">Electrical Performance Test</td></tr>
<tr><td>Inductance L</td><td rowspan="5">Refer to standard electrical characteristic list</td><td rowspan="2">HP4291A, HP4287A</td></tr>
<tr><td>Q</td></tr>
<tr><td>SRF</td><td>HP4291A</td></tr>
<tr><td>DC Resistance</td><td>HP4338B, Chroma 16502</td></tr>
<tr><td>Rated Current</td><td>Applied the current to coils, the inductance change shall be less than 10% to initial value & temperature rise shall not be more than 20℃.</td></tr>
<tr><td>Temperature Rise Test</td><td>20℃ MAX(△t)</td><td>1.Applied the allowed DC current for 10 mins.
2.Temperature measure by digital surface thermometer.</td></tr>
<tr><td colspan="3">Mechanical Performance Test</td></tr>
<tr><td>Resistance to Soldering Heat</td><td>1. Inductors shall be no evidence of electrical and mechanical damage.
2. Inductance : within ±0.3nH of initial value for ≦3.9nH.
3. Inductance : within ±10% of initial value for ≧5.2nH.
4. Q shall not change more than ± 20%.</td><td>Temp.: 260±5℃
Time: 10±1.0 Sec</td></tr>
<tr><td>Solderability Test</td><td>The terminal shall be at least 90% covered with solder.</td><td>After fluxing, inductor shall be dipped in a melted solder bath at 245 ± 5℃ for 5 Sec.</td></tr>
<tr><td colspan="3">Reliability Test</td></tr>
<tr><td>Humidity Test</td><td rowspan="2">1. Inductors shall be no evidence of electrical and mechanical damage.
2. Inductance : within ±0.3nH of initial value for ≦3.9nH.
3. Inductance : within ±10% of initial value for ≧5.2nH.
4. Q shall not change more than ± 20%.</td><td>1. Temperature :50±2℃
2. R.H. : 90-95%
3. Time : 48±2 Hours</td></tr>
<tr><td>Thermal Shock Test</td><td>Conditions of 1 cycle
<table>
<tr><th>Step</th><th>Temperature(℃)</th><th>Times(min.)</th></tr>
<tr><td>1</td><td>-40±5</td><td>30±3</td></tr>
<tr><td>2</td><td>125±5</td><td>30±3</td></tr>
</table>
Total:10 cycles</td></tr>
</table>

Item	Performance	Test Condition
High Temperature Load Le Test	Inductors shall be no evidence of short or open circuit.	1. Temp. : 85 ± 2℃ 2. Time : 500 ± 12 Hours 3. Load : Allowed DC current
Humidity Load Le		1. Temp : 40 ± 2℃ 2. R.H. : 90-95% 3. Time : 500 ± 12 Hours 4. Load : Allowed DC current
Low temperature storage test	1. Appearance : no damage 2. Inductance : within ±0.3nH of initial value for ≦3.9nH 3. Inductance : within ±10% of initial value for ≧5.2nH 4. Q : within ±20% of initial value	1. Temperature:-40±2℃ 2. Applied current : rated current 3. Duration : 500±12hrs 4. Measured at room temperature after Placing for 2to 3hrs.
Random Vibration Test	Appearance: Cracking, shipping and any other defects harmful to the characteristiWLQ should not be allowed. Impedance: within±30%	Frequency: 10-55-10Hz for 1 min. Amplitude: 1.52mm Directions and times: X, Y, Z directions for 2 hours. A period of 2 hours in each of 3 mutually perpendicular directions (Total 6 hours).

焊接和安装(Soldering and Mounting)

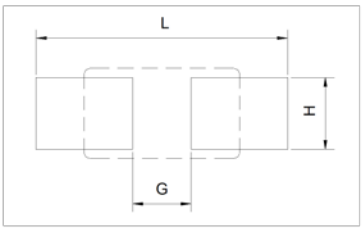
1. 推荐的 PC 板模式(Recommended PC Board Pattern)

Chip size							Land Patterns For Reflow Soldering		
Series	Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
WLQ	1005	1.19max	0.64max.	0.66max	0.25	0.23±	1.18	0.46	0.66
	1608	1.80max	1.20max.	1.02max	0.38	0.35±	1.92	0.64	1.02
	2012	2.40max	1.60max.	1.40max	0.51	0.44±	2.80	0.76	1.78
	1008	2.92max	2.79max.	2.03max	1.20	0.55±	3.31	1.27	2.54

说明：

印刷电路板应该这样设计产品不足以满足机械应力下的扭曲。

产品应当在旁路定位方向对机械应力,防止失败。



Instructions：

PC board should be designed so that products are not sufficient under mechanical stress as warping the board.

Products shall be positioned in the sideway direction against the mechanical stress to prevent failure.

2. 焊接：

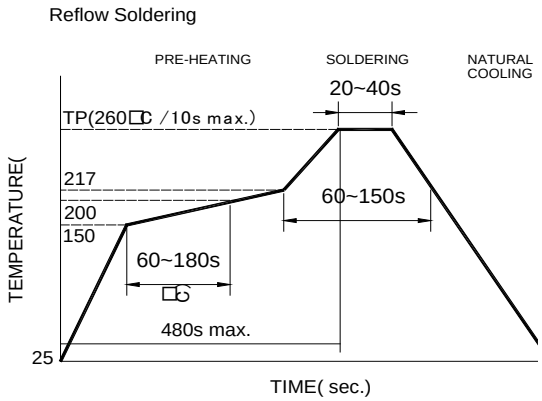
温和的激活松香通量是首选。焊接会导致破坏的最小数量的压力之间的膨胀系数的差异造成的焊料, 芯片和基板。如果无法避免, 手工焊接的首选技术是利用热空气焊接工具。

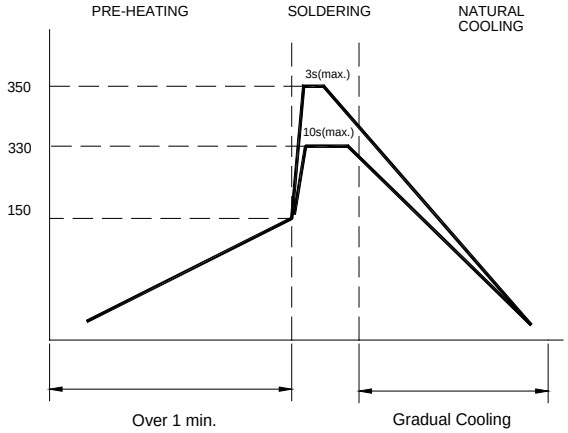
2. Soldering：

Mildly activated rosin fluxes are preferred. The minimum amount of solder can lead to damage from the stresses caused by the difference in coefficients of expansion between solder, chip and substrate. If hand soldering cannot be avoided, the preferred technique is the utilization of hot air soldering tools.

(1) 无铅回流焊推荐温度资料 如图 1 所示。

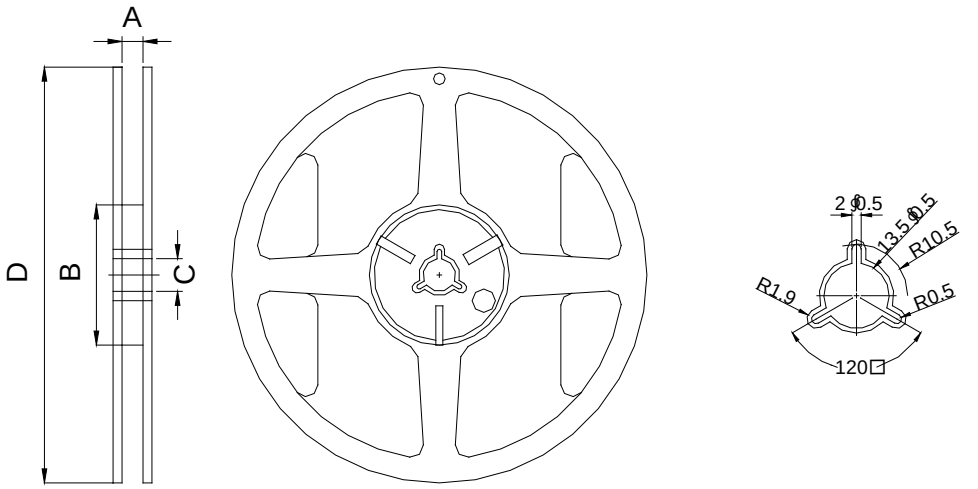
(2) 烙铁 如图 2 所示





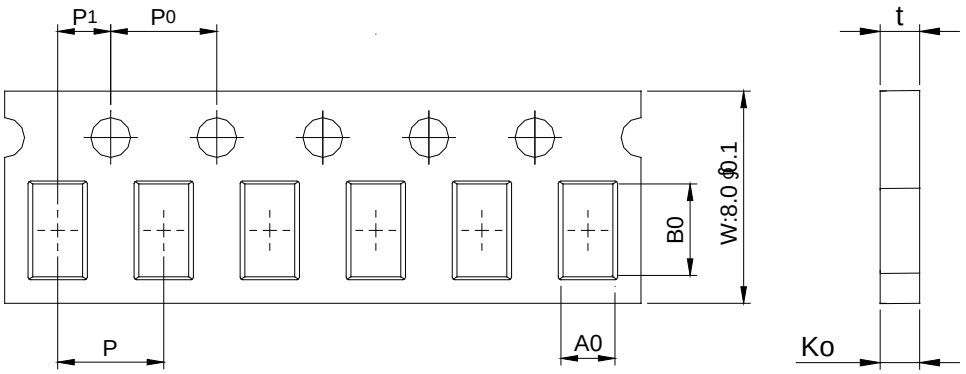
产品封装(**Packaging Information)**

1. 料盘尺寸（**Reel Dimension**）



Type	A(mm)	B(mm)	C(mm)	D(mm)
7”x8mm	8.4±0.5	60±2	13.5±0.5	178±2

2.料带尺寸(Tape Dimension / 8mm)



Series	Size	P(mm)	Po(mm)	P1(mm)	Bo(mm)	Ao(mm)	Ko(mm)	t(mm)
WLQ	1608	4.0±0.1	4.0±0.1	2.0±0.1	1.80±0.10	1.25±0.10	1.05±0.10	0.23±0.05
	2012	4.0±0.1	4.0±0.1	2.0±0.1	2.50±0.10	1.60±0.10	1.25±0.10	0.23±0.05
	1008	4.0±0.1	4.0±0.1	2.0±0.1	2.85±0.10	2.35±0.10	2.10±0.10	0.23±0.05

2.包装数量(Packaging Quantity)

Chip size	1005	1608	2012	1008
Reel	3000	3000	2000	2000
Reel Size	7x8mm			

须知

·储存条件（维护终端电极可焊性）

1. 温度和湿度条件:不到 40℃和 70% RH。
2. 推荐产品应该使用在 6 个月内交货时间。
3. 包装材料应保存在空气中不存在氯和硫。

·运输

1. 产品应小心处理,避免损坏或和皮肤出油的污染。
2. 使用镊子或真空接强烈建议单个组件。
3. 散装搬运应确保磨损和机械冲击减到最少。
4. 通过 ROHS 环保认证