

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	30/Oct/2024	REVISION NO.	A
PART NO.	CKWLF0603 Series		
DRAWN NO.			
DESCRIPTION.	RF INDUCTOR		
Customer's Signature			
Approved by	Checked by	Drawn by	
黄大燕	黄大燕	梁智坤	
30/Oct/2024	30/Oct/2024	30/Oct/2024	



广 州 市 今 凯 电 子 有 限 公 司

GUANG ZHOU CHK ELECTRONIC Co., Ltd

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广州市今凯电子有限公司

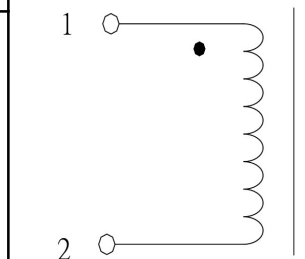
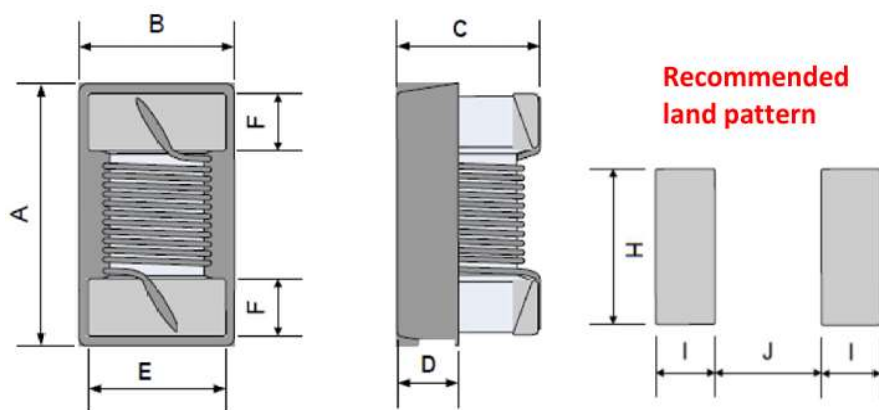
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PART NO.	CKWLF0603 Series	DATE	2024/10/30

1.SHAPE & DIMENSION

UNIT: mm

SCHEMATICS



A	B	C	D	E	F	H	I	J
1.8	1.2	1	0.5	1.55	0.33	1.02	0.6	0.6
MAX	MAX	MAX	±0.2	Ref.	Ref.	Ref.	Ref.	Ref.

PART NUMBERING SYSTEM

CK WLF 0603 - 2R2 K C
1 2 3 4 5 6

1 CHK PRODUCTION (今凯制造)

2 PRODUCT CATEGORY (产品种类)

3 DIMENSIONS (尺寸规格)

4 INDUCTANCE (电感量)

5 TOLERANCE (公差) G:±2% J:±5% K:±10%

6 PACKAGING (包装方式) C - 编带盘装 B - 盒装

APPROVED BY	CHECKED BY	DRAFT BY
黄大燕	黄大燕	梁智坤



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PART NO.	CKWLF0603 Series	DATE	2024/10/30

2.SERIES SPECIFICATION

◆CKWLF0603 Series Specification:

Part Number	Inductance	Test Freq	DCR(Ω)	IDC (mA)	SRF(MHz)	Q
	μ H	MHz	$\pm 30\%$	Typ.	Typ.	Typ.
CKWLF0603-R27KC	0.27	7.9	0.26	950	900	13
CKWLF0603-R47KC	0.47	7.9	0.26	920	900	13
CKWLF0603-R68KC	0.68	7.9	0.27	920	650	13
CKWLF0603-R78KC	0.78	7.9	0.28	920	410	16
CKWLF0603-1R0KC	1.0	7.9	0.32	860	390	16
CKWLF0603-1R5KC	1.5	7.9	0.40	720	160	16
CKWLF0603-1R8KC	1.8	7.9	0.43	640	121	16
CKWLF0603-2R2KC	2.2	7.9	0.56	600	103	16
CKWLF0603-2R7KC	2.7	7.9	0.62	540	72	16
CKWLF0603-3R3KC	3.3	7.9	0.70	500	66	16
CKWLF0603-3R9KC	3.9	7.9	0.83	460	61	16
CKWLF0603-4R7KC	4.7	7.9	0.97	400	51	16
CKWLF0603-5R6KC	5.6	7.9	1.10	380	47	16
CKWLF0603-6R8KC	6.8	7.9	1.50	340	43	16
CKWLF0603-8R2KC	8.2	7.9	1.68	300	40	16
CKWLF0603-100KC	10	2.5	1.85	280	36	14
CKWLF0603-120KC	12	2.5	2.28	260	32	14
CKWLF0603-150KC	15	2.5	2.60	240	29	14
CKWLF0603-180KC	18	2.5	2.90	220	28	14
CKWLF0603-220KC	22	2.5	3.61	200	24	14
CKWLF0603-270KC	27	2.5	5.20	140	20	14
CKWLF0603-330KC	33	2.5	6.60	120	15	14
CKWLF0603-470KC	47	2.5	11.20	100	11	12



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3.MATERIAL LIST & GENERAL SPECIFICATION

材料名称	型号及规格	制造商	备注
ITEM	Materials	Manufacture	Note
磁芯 (Drum Core)	铁氧体	JR	NA
铜线 (Wire)	聚酯亚胺漆包线	ELEKTRISOL A	NA

GENERAL SPECIFICATION	
Electrical specifications :	at 20~25℃
Operation Temperature :	-40~+125℃
Storage Temperature :	-40~+125℃

*The operating temperature is 25℃

*Isat: For Inductance drop 30% from its value without current

*Irms: The value of D.C current when the temperature rise is $\Delta T \leq 40^{\circ}\text{C}$. ($T_a=25^{\circ}\text{C}$)

※此物料仅用于消费电子领域，若用于车载，航天，军事领域引起的一切品质和责任问题，我司既不承担※

APPROVED BY	CHECKED BY	DRAWN BY
黄大燕	黄大燕	梁智坤



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4.PACKAGING(unit: mm)

1.包装类型

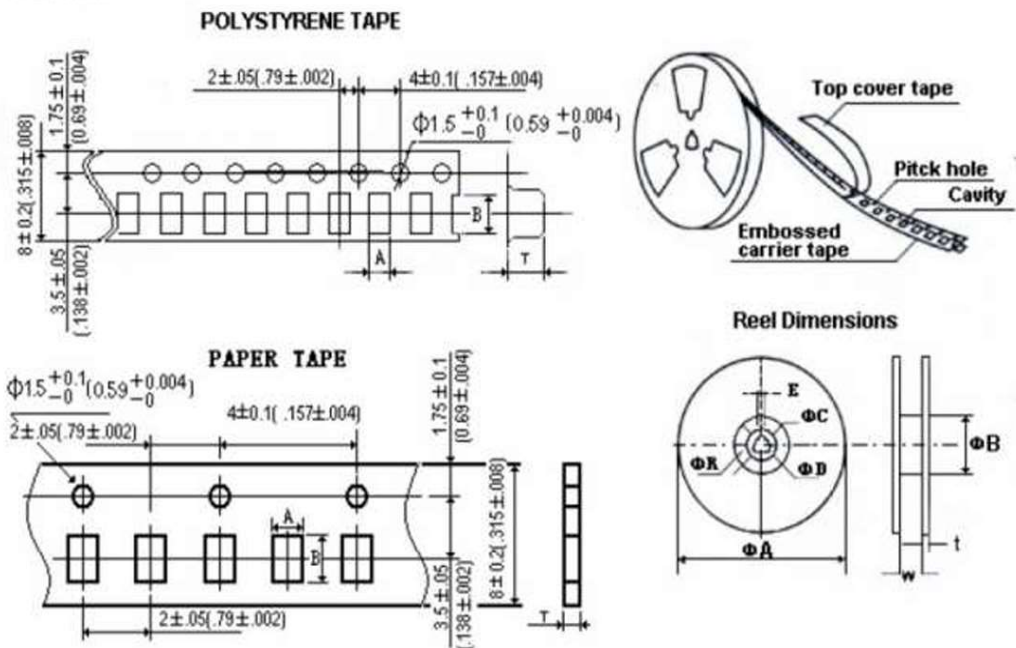
2.包装尺寸

☐ 13" 盘

☒ 7" 盘

◆ Packaging Style

1、Tape



		A	B	T
纸带	0402	0.74	1.23	0.60
	0603	1.15	1.83	0.95
	0805	1.85	2.40	1.45
胶带	1008	2.73	2.90	2.34
	1210	2.96	3.60	2.40
	1812	3.22	4.82	3.15

unit: (mm)

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

2、Packaging Quantity

Dimension	1005 (0402)	1608 (0603)	2012 (0805)	2520 (1008)	3225 (1210)	4532 (1812)
Quantity(Pcs)	10000	4000	2000	2000	2000	2000

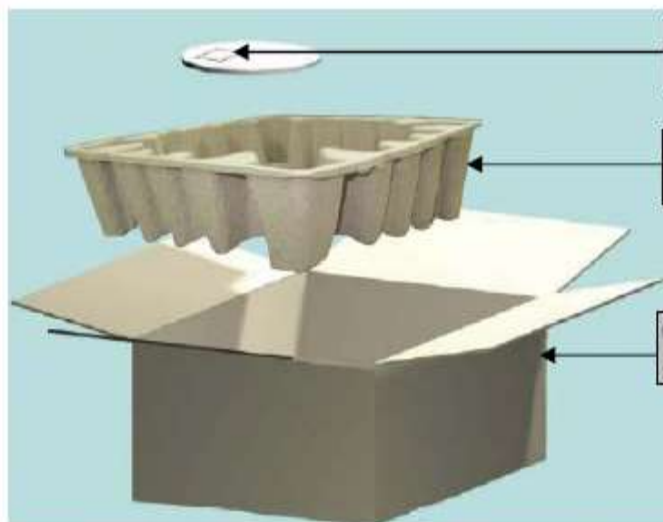
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5. CARTON



Innei Packaging(MPQ unit):
内包装 (最小包装数量单位)

Interm ediate Packaging:
中包装

Outer packaging:
外包装

- 1.1 外箱: 40*40.*17 cm 一纸托装一箱
1.2 内箱: CAG002(装7寸卷盘TRAY盘)
1.3 外箱材质: A三A
1.4 内箱材质: A=A

- 1.5 每10卷制品用一只静电袋包装
1.6 每一静电袋内放一只袋干燥剂
1.7 每一卷上面依标签样式的要求贴上标签明细
1.8 出货内外箱贴上该箱内实际内容明细
1.9 出货标签规格如下: 尺寸=长度:39mm 宽度:29mm

(如: 客户有特殊要求时, 则依客户要求实施.)

储存条件及期限:

温度: 20-25℃

湿度: ≤70%

时间: 六个月

卷轴包装数量

每卷	4000	PCS
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外箱包装数量

每箱	40	卷,共	160000	PCS
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6. RELIABILITY TEST

Test Items	Test Conditions	Criteria
1 Low temperature storage	Placed at -40°C for 500 hours, then measured at room ambient temperature after placing 24hours	Inductance shall be within $\pm 10\%$ of the initial value.
2 High temperature storage	Placed at +125°C for 500 hours, then measured at room ambient temperature after placing 24 hours	Inductance shall be within $\pm 10\%$ of the initial value.
3 Thermal shock	Condition for 1 cycle: -40°C,30min.~+125°C,30min Number of cycles:5	Inductance shall be within $\pm 10\%$ of the initial value.
4 Humidity resistance	Placed at 90 to 95%RH,+50°C for 500 hours, then measured at room ambient temperature after placing 24 hours.	Inductance shall be within $\pm 10\%$ of the initial value. Insulation resistance > 100MΩ at DC
5 Drop	Drop specimen three times on concrete floor from a height of 1 meter which mounted on test board	Inductance shall be within $\pm 10\%$ of the initial value.
6 Vibration	Frequency::10~55~10Hz Amplitude:1.5mm or 10G Sweep time: 1 oct/min Test Directions: X,Y,Z Test Time: 2 hours each direction	Inductance shall be within $\pm 10\%$ of the initial value.
7 Terminal strength	Add static load 4.9N(500gf) to inductor through hole of test board for 10±2 sec.	No detachment of terminal pin and no breakage of wire
8 Soldering heat resistance	Dip Inductor's terminal in solder bath of 1) 260±5°C, 10±1 sec, 2) 350±10°C, 3.5±0.5 sec	Inductance shall be within $\pm 10\%$ of the initial value. Apperance: No damage

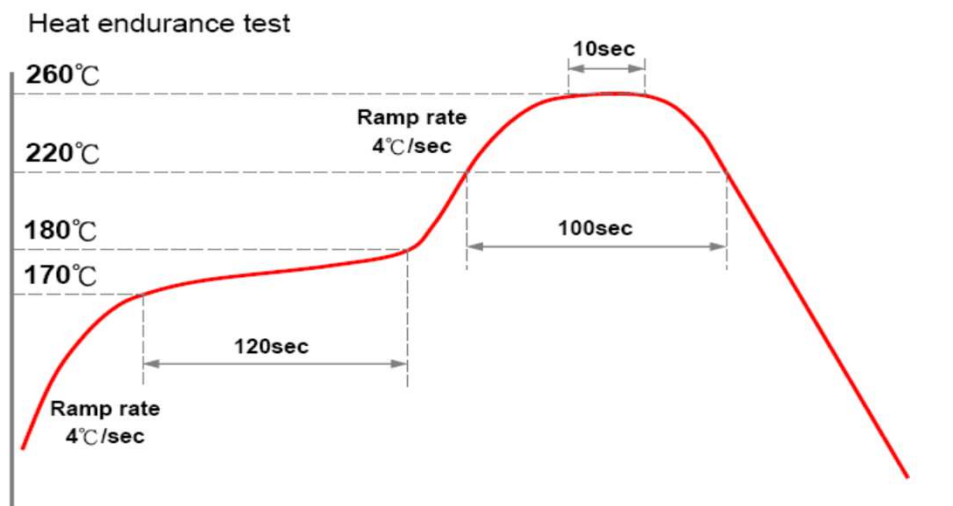
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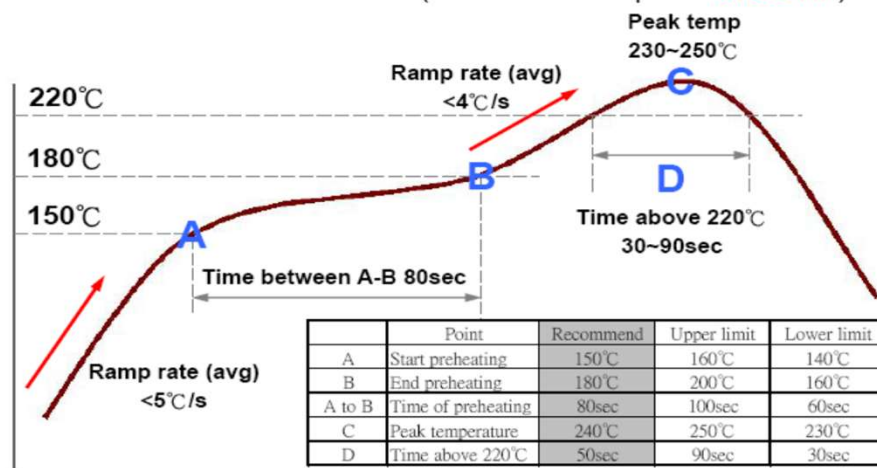
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7. SOLDERING CONDITIONS



- ◎ The test should be made under the conditions according to the chart, after the test it is kept for 2 hours under the normal temperature and humidity.
- ◎ The reflow test can be done twice, but the interval should be more than one hour under the normal conditions.
- ◎ The reflow test conditions are based on the testing instruments available in Arlitech.

Recommended Reflow Profile (for EOC Solder paste S70G-HF)



- ◎ The reflow condition recommended above is according to the machine used by our company. Big differences will arise as a result of the type of machine, reflow conditions, method, etc used. Hence, before setting up your reflow conditions, please confirm with the above.

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CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-R27KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	0.27 ± 10%	338 Max	0.95 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	0.270	266	0.253	-6.30%				1.76	1.03	0.96
2	0.269	266	0.251	-6.69%				1.75	1.05	0.97
3	0.266	268	0.245	-7.89%				1.72	1.06	0.98
4	0.267	268	0.256	-4.12%				1.73	1.02	0.95
5	0.271	272	0.253	-6.64%				1.72	1.04	0.96
6	0.268	267	0.251	-6.34%				1.75	1.06	0.96
7	0.268	268	0.254	-5.22%				1.73	1.05	0.95
8	0.271	269	0.251	-7.38%				1.74	1.05	0.95
9	0.272	272	0.254	-6.62%				1.72	1.04	0.96
10	0.269	275	0.254	-5.58%				1.74	1.05	0.95
AVG.	0.2691	269.1	0.2522	-6.28%				1.736	1.045	0.959
R	0.006	9	0.011	3.77%				0.04	0.04	0.03

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SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-R47KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	0.47 ± 10%	338 Max	0.92 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	0.486	248	0.452	-7.00%				1.76	1.03	0.96
2	0.482	247	0.451	-6.43%				1.75	1.05	0.97
3	0.484	250	0.442	-8.68%				1.72	1.06	0.98
4	0.485	245	0.456	-5.98%				1.73	1.02	0.95
5	0.477	248	0.451	-5.45%				1.72	1.04	0.96
6	0.483	248	0.452	-6.42%				1.75	1.06	0.96
7	0.485	245	0.443	-8.66%				1.73	1.05	0.95
8	0.485	249	0.451	-7.01%				1.74	1.05	0.95
9	0.486	249	0.456	-6.17%				1.72	1.04	0.96
10	0.486	250	0.452	-7.00%				1.74	1.05	0.95
AVG.	0.4839	247.9	0.4506	-6.88%				1.736	1.045	0.959
R	0.009	5	0.014	3.23%				0.04	0.04	0.03

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SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-R68KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	0.68 ± 10%	351 Max	0.92 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	0.674	288	0.598	-11.28%				1.76	1.03	0.96
2	0.665	292	0.589	-11.43%				1.75	1.05	0.97
3	0.675	291	0.568	-15.85%				1.72	1.06	0.98
4	0.661	296	0.559	-15.43%				1.73	1.02	0.95
5	0.667	294	0.587	-11.99%				1.72	1.04	0.96
6	0.668	295	0.560	-16.17%				1.75	1.06	0.96
7	0.665	298	0.594	-10.68%				1.73	1.05	0.95
8	0.669	299	0.585	-12.56%				1.74	1.05	0.95
9	0.668	296	0.568	-14.97%				1.72	1.04	0.96
10	0.667	296	0.585	-12.29%				1.74	1.05	0.95
AVG.	0.6679	294.5	0.5793	-13.26%				1.736	1.045	0.959
R	0.014	11	0.039	5.49%				0.04	0.04	0.03

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SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-R78KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	0.78 ± 10%	364 Max	0.8 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	0.757	320	0.700	-7.53%				1.76	1.03	0.96
2	0.768	314	0.689	-10.29%				1.75	1.05	0.97
3	0.753	310	0.656	-12.88%				1.72	1.06	0.98
4	0.762	313	0.669	-12.20%				1.73	1.02	0.95
5	0.757	315	0.679	-10.30%				1.72	1.04	0.96
6	0.755	323	0.685	-9.27%				1.75	1.06	0.96
7	0.768	316	0.689	-10.29%				1.73	1.05	0.95
8	0.768	315	0.697	-9.24%				1.74	1.05	0.95
9	0.759	320	0.695	-8.43%				1.72	1.04	0.96
10	0.768	321	0.694	-9.64%				1.74	1.05	0.95
AVG.	0.7615	316.7	0.6853	-10.01%				1.736	1.045	0.959
R	0.015	13	0.044	5.35%				0.04	0.04	0.03

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CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-1R0KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	1.00 ± 10%	416 Max	0.75 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	0.995	355	0.850	-14.57%				1.76	1.03	0.96
2	0.990	359	0.836	-15.56%				1.75	1.05	0.97
3	0.993	355	0.849	-14.50%				1.72	1.06	0.98
4	1.000	362	0.859	-14.10%				1.73	1.02	0.95
5	1.000	359	0.889	-11.10%				1.72	1.04	0.96
6	0.995	360	0.879	-11.66%				1.75	1.06	0.96
7	0.998	362	0.862	-13.63%				1.73	1.05	0.95
8	0.998	359	0.863	-13.53%				1.74	1.05	0.95
9	0.998	358	0.864	-13.43%				1.72	1.04	0.96
10	0.996	360	0.864	-13.25%				1.74	1.05	0.95
AVG.	0.9963	358.9	0.8615	-13.53%				1.736	1.045	0.959
R	0.01	7	0.053	4.46%				0.04	0.04	0.03

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DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	1.50 ± 10%	520 Max	0.65 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	1.56	459	1.35	-13.46%				1.76	1.03	0.96
2	1.55	452	1.28	-17.42%				1.75	1.05	0.97
3	1.55	452	1.26	-18.71%				1.72	1.06	0.98
4	1.55	455	1.25	-19.35%				1.73	1.02	0.95
5	1.56	455	1.29	-17.31%				1.72	1.04	0.96
6	1.56	456	1.28	-17.95%				1.75	1.06	0.96
7	1.56	456	1.28	-17.95%				1.73	1.05	0.95
8	1.55	459	1.26	-18.71%				1.74	1.05	0.95
9	1.57	458	1.26	-19.75%				1.72	1.04	0.96
10	1.55	455	1.38	-10.97%				1.74	1.05	0.95
AVG.	1.556	455.7	1.289	-17.16%				1.736	1.045	0.959
R	0.02	7	0.13	8.78%				0.04	0.04	0.03

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CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-1R8KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	1.80 ± 10%	559 Max	0.55 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	1.88	502	1.70	-9.57%				1.76	1.03	0.96
2	1.86	509	1.72	-7.53%				1.75	1.05	0.97
3	1.88	506	1.68	-10.64%				1.72	1.06	0.98
4	1.88	509	1.69	-10.11%				1.73	1.02	0.95
5	1.87	510	1.70	-9.09%				1.72	1.04	0.96
6	1.88	509	1.68	-10.64%				1.75	1.06	0.96
7	1.87	509	1.69	-9.63%				1.73	1.05	0.95
8	1.86	510	1.68	-9.68%				1.74	1.05	0.95
9	1.88	506	1.68	-10.64%				1.72	1.04	0.96
10	1.86	508	1.67	-10.22%				1.74	1.05	0.95
AVG.	1.872	507.8	1.689	-9.77%				1.736	1.045	0.959
R	0.02	8	0.05	3.11%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-2R2KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	2.20 ± 10%	728 Max	0.6 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	2. 18	550	1.98	-9.17%				1. 76	1. 03	0.96
2	2. 15	555	1.96	-8.84%				1. 75	1. 05	0.97
3	2. 16	554	1.99	-7.87%				1. 72	1. 06	0.98
4	2. 14	556	1.98	-7.48%				1. 73	1. 02	0.95
5	2. 20	554	2.02	-8.18%				1. 72	1. 04	0.96
6	2. 21	557	2.01	-9.05%				1. 75	1. 06	0.96
7	2. 16	549	1.97	-8.80%				1. 73	1. 05	0.95
8	2. 18	554	2.00	-8.26%				1. 74	1. 05	0.95
9	2. 17	553	1.98	-8.76%				1. 72	1. 04	0.96
10	2. 19	556	2.00	-8.68%				1. 74	1. 05	0.95
AVG.	2.174	553.8	1.989	-8.51%				1.736	1.045	0.959
R	0.07	8	0.06	1.70%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-2R7KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	2.70 ± 10%	806 Max	0.5 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	2.74	631	2.40	-12.41%				1.76	1.03	0.96
2	2.73	621	2.39	-12.45%				1.75	1.05	0.97
3	2.75	622	2.38	-13.45%				1.72	1.06	0.98
4	2.75	624	2.42	-12.00%				1.73	1.02	0.95
5	2.80	623	2.46	-12.14%				1.72	1.04	0.96
6	2.76	625	2.43	-11.96%				1.75	1.06	0.96
7	2.75	625	2.41	-12.36%				1.73	1.05	0.95
8	2.76	623	2.44	-11.59%				1.74	1.05	0.95
9	2.75	625	2.45	-10.91%				1.72	1.04	0.96
10	2.75	625	2.40	-12.73%				1.74	1.05	0.95
AVG.	2.754	624.4	2.418	-12.20%				1.736	1.045	0.959
R	0.07	10	0.08	2.55%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-3R3KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	3.30 ± 10%	910 Max	0.45 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	3.24	678	2.85	-12.04%				1.76	1.03	0.96
2	3.17	679	2.81	-11.33%				1.75	1.05	0.97
3	3.19	678	2.80	-12.23%				1.72	1.06	0.98
4	3.14	671	2.82	-10.19%				1.73	1.02	0.95
5	3.13	668	2.83	-9.58%				1.72	1.04	0.96
6	3.38	672	2.90	-14.20%				1.75	1.06	0.96
7	3.25	678	2.82	-13.23%				1.73	1.05	0.95
8	3.30	678	2.87	-13.06%				1.74	1.05	0.95
9	3.24	680	2.85	-12.04%				1.72	1.04	0.96
10	3.19	675	2.84	-10.97%				1.74	1.05	0.95
AVG.	3.2229	675.7	2.8389	-11.89%				1.736	1.045	0.959
R	0.25	12	0.1	4.62%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-3R9KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	3.90 ± 10%	1079 Max	0.43 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	3.84	744	3.30	-14.06%				1.76	1.03	0.96
2	3.87	745	3.25	-16.02%				1.75	1.05	0.97
3	3.87	742	3.26	-15.76%				1.72	1.06	0.98
4	3.87	736	3.26	-15.76%				1.73	1.02	0.95
5	3.86	745	3.30	-14.51%				1.72	1.04	0.96
6	3.87	742	3.25	-16.02%				1.75	1.06	0.96
7	3.89	747	3.28	-15.68%				1.73	1.05	0.95
8	3.87	748	3.31	-14.47%				1.74	1.05	0.95
9	3.84	748	3.25	-15.36%				1.72	1.04	0.96
10	3.86	749	3.20	-17.10%				1.74	1.05	0.95
AVG.	3.864	744.6	3.266	-15.48%				1.736	1.045	0.959
R	0.05	13	0.11	3.04%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-4R7KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	4.70 ± 10%	1261 Max	0.4 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	4.59	830	4.00	-12.85%				1.76	1.03	0.96
2	4.56	824	3.98	-12.72%				1.75	1.05	0.97
3	4.56	822	4.02	-11.84%				1.72	1.06	0.98
4	4.58	826	4.01	-12.45%				1.73	1.02	0.95
5	4.57	829	3.95	-13.57%				1.72	1.04	0.96
6	4.57	830	3.86	-15.54%				1.75	1.06	0.96
7	4.56	820	3.90	-14.47%				1.73	1.05	0.95
8	4.62	821	3.87	-16.23%				1.74	1.05	0.95
9	4.67	825	3.95	-15.42%				1.72	1.04	0.96
10	4.68	826	3.98	-14.96%				1.74	1.05	0.95
AVG.	4.596	825.3	3.952	-14.00%				1.736	1.045	0.959
R	0.12	10	0.16	4.39%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-5R6KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	5.60 ± 10%	1800 Max	0.36 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	5.92	1450	5.41	-8.61%				1.76	1.03	0.96
2	5.93	1460	5.45	-8.09%				1.75	1.05	0.97
3	5.92	1450	5.45	-7.94%				1.72	1.06	0.98
4	5.94	1450	5.42	-8.75%				1.73	1.02	0.95
5	5.91	1440	5.43	-8.12%				1.72	1.04	0.96
6	5.89	1420	5.44	-7.64%				1.75	1.06	0.96
7	5.79	1450	5.36	-7.43%				1.73	1.05	0.95
8	5.87	1460	5.42	-7.67%				1.74	1.05	0.95
9	5.86	1450	5.41	-7.68%				1.72	1.04	0.96
10	5.91	1440	5.39	-8.80%				1.74	1.05	0.95
AVG.	5.894	1447	5.418	-8.07%				1.736	1.045	0.959
R	0.15	40	0.09	1.37%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-6R8KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	6.80 ± 10%	1950 Max	0.32 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ									
1	6.82	1545	5.60	-17.89%				1.76	1.03	0.96
2	6.79	1554	5.59	-17.67%				1.75	1.05	0.97
3	6.76	1553	5.63	-16.72%				1.72	1.06	0.98
4	6.78	1553	5.68	-16.22%				1.73	1.02	0.95
5	6.82	1559	5.59	-18.04%				1.72	1.04	0.96
6	6.82	1547	5.65	-17.16%				1.75	1.06	0.96
7	6.83	1552	5.68	-16.84%				1.73	1.05	0.95
8	6.79	1548	5.69	-16.20%				1.74	1.05	0.95
9	6.80	1553	5.61	-17.50%				1.72	1.04	0.96
10	6.78	1556	5.59	-17.55%				1.74	1.05	0.95
AVG.	6.799	1552	5.631	-17.18%				1.736	1.045	0.959
R	0.07	14	0.1	1.83%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-8R2KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	8.20 ± 10%	2184 Max	0.3 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	7.9MHZ		#REF!							
1	8.20	1726	6.80	-17.07%				1.76	1.03	0.96
2	8.16	1723	6.89	-15.56%				1.75	1.05	0.97
3	8.17	1725	6.90	-15.54%				1.72	1.06	0.98
4	8.17	1716	6.85	-16.16%				1.73	1.02	0.95
5	8.08	1714	6.85	-15.22%				1.72	1.04	0.96
6	8.13	1705	6.92	-14.88%				1.75	1.06	0.96
7	8.15	1719	6.90	-15.34%				1.73	1.05	0.95
8	8.13	1718	6.89	-15.25%				1.74	1.05	0.95
9	8.19	1726	6.96	-15.02%				1.72	1.04	0.96
10	8.10	1725	6.90	-14.81%				1.74	1.05	0.95
AVG.	8.148	1719.7	6.886	-15.49%				1.736	1.045	0.959
R	0.12	21	0.16	2.26%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-100KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	10.0 ± 10%	2405 Max	0.28 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	10.0	1925	8.25	-17.50%				1.76	1.03	0.96
2	10.0	1916	8.16	-18.40%				1.75	1.05	0.97
3	10.0	1924	8.21	-17.90%				1.72	1.06	0.98
4	10.1	1944	8.15	-19.31%				1.73	1.02	0.95
5	10.0	1932	8.14	-18.60%				1.72	1.04	0.96
6	10.0	1938	8.13	-18.54%				1.75	1.06	0.96
7	10.0	1942	8.22	-17.80%				1.73	1.05	0.95
8	10.0	1940	8.21	-17.90%				1.74	1.05	0.95
9	9.98	1939	8.25	-17.33%				1.72	1.04	0.96
10	10.1	1929	8.26	-18.22%				1.74	1.05	0.95
AVG.	10.016	1932.9	8.198	-18.15%				1.736	1.045	0.959
R	0.12	28	0.13	1.97%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-120KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	12.0 ± 10%	2964 Max	0.26 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	11.2	2074	9.35	-16.74%				1.76	1.03	0.96
2	11.1	2080	9.46	-14.77%				1.75	1.05	0.97
3	11.2	2069	9.32	-16.79%				1.72	1.06	0.98
4	11.2	2083	9.36	-16.43%				1.73	1.02	0.95
5	11.1	2088	9.41	-15.23%				1.72	1.04	0.96
6	11.2	2080	9.46	-15.54%				1.75	1.06	0.96
7	11.1	2089	9.36	-15.68%				1.73	1.05	0.95
8	11.2	2079	9.38	-16.25%				1.74	1.05	0.95
9	11.3	2085	9.39	-16.90%				1.72	1.04	0.96
10	11.0	2086	9.45	-14.09%				1.74	1.05	0.95
AVG.	11.163	2081.3	9.394	-15.84%				1.736	1.045	0.959
R	0.3	20	0.14	2.81%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-150KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	15.0 ± 10%	4440 Max	0.2 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	14.4	3840	13.0	-9.72%				1.76	1.03	0.96
2	14.3	3850	12.9	-9.79%				1.75	1.05	0.97
3	14.3	3790	13.1	-8.39%				1.72	1.06	0.98
4	14.5	3850	12.8	-11.72%				1.73	1.02	0.95
5	14.5	3860	12.8	-11.72%				1.72	1.04	0.96
6	14.4	3840	12.9	-10.42%				1.75	1.06	0.96
7	14.4	3890	13.1	-9.03%				1.73	1.05	0.95
8	14.5	3760	13.0	-10.34%				1.74	1.05	0.95
9	14.5	3790	13.0	-10.34%				1.72	1.04	0.96
10	14.4	3800	12.9	-10.42%				1.74	1.05	0.95
AVG.	14.42	3827	12.95	-10.19%				1.736	1.045	0.959
R	0.2	130	0.3	3.33%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-180KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	18.0 ± 10%	5040 Max	0.19 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	17.4	4120	15.0	-13.79%				1.76	1.03	0.96
2	17.4	4140	15.2	-12.64%				1.75	1.05	0.97
3	17.4	4110	15.6	-10.34%				1.72	1.06	0.98
4	17.4	4140	15.4	-11.49%				1.73	1.02	0.95
5	17.6	4200	15.3	-13.07%				1.72	1.04	0.96
6	17.6	4160	15.2	-13.64%				1.75	1.06	0.96
7	17.2	4160	15.6	-9.30%				1.73	1.05	0.95
8	17.5	4200	15.2	-13.14%				1.74	1.05	0.95
9	17.6	4190	15.0	-14.77%				1.72	1.04	0.96
10	17.5	4190	15.1	-13.71%				1.74	1.05	0.95
AVG.	17.46	4161	15.26	-12.59%				1.736	1.045	0.959
R	0.4	90	0.6	5.47%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-220KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	22.0 ± 10%	5640 Max	0.24 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	21.2	4660	18.5	-12.74%				1.76	1.03	0.96
2	21.4	4730	19.2	-10.28%				1.75	1.05	0.97
3	21.3	4720	18.5	-13.15%				1.72	1.06	0.98
4	21.2	4710	19.0	-10.38%				1.73	1.02	0.95
5	21.4	4630	18.7	-12.62%				1.72	1.04	0.96
6	21.2	4650	18.9	-10.85%				1.75	1.06	0.96
7	21.5	4690	19.0	-11.63%				1.73	1.05	0.95
8	21.5	4710	18.5	-13.95%				1.74	1.05	0.95
9	21.6	4690	18.6	-13.89%				1.72	1.04	0.96
10	21.4	4720	19.1	-10.75%				1.74	1.05	0.95
AVG.	21.37	4691	18.8	-12.02%				1.736	1.045	0.959
R	0.4	100	0.7	3.67%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-270KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	27.0 ± 10%	6760 Max	0.14 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	26.5	5420	25.0	-5.66%				1.76	1.03	0.96
2	26.6	5510	24.6	-7.52%				1.75	1.05	0.97
3	26.7	5630	25.1	-5.99%				1.72	1.06	0.98
4	26.7	5550	24.5	-8.24%				1.73	1.02	0.95
5	26.6	5610	24.2	-9.02%				1.72	1.04	0.96
6	26.4	5560	25.0	-5.30%				1.75	1.06	0.96
7	26.4	5620	25.3	-4.17%				1.73	1.05	0.95
8	26.5	5620	25.1	-5.28%				1.74	1.05	0.95
9	26.4	5580	24.8	-6.06%				1.72	1.04	0.96
10	26.5	5620	25.0	-5.80%				1.74	1.05	0.95
AVG.	26.534	5572	24.86	-6.30%				1.736	1.045	0.959
R	0.3	210	1.1	4.86%				0.04	0.04	0.03

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SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-330KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	33.0 ± 10%	7320 Max	0.12 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	32.0	6060	30.0	-6.25%				1.76	1.03	0.96
2	32.2	6040	30.2	-6.21%				1.75	1.05	0.97
3	31.7	6070	30.1	-5.05%				1.72	1.06	0.98
4	32.0	6080	30.5	-4.69%				1.73	1.02	0.95
5	31.7	6080	30.1	-5.05%				1.72	1.04	0.96
6	31.9	6080	29.9	-6.27%				1.75	1.06	0.96
7	31.9	6060	30.1	-5.64%				1.73	1.05	0.95
8	31.6	6090	30.0	-5.06%				1.74	1.05	0.95
9	31.6	6090	30.0	-5.06%				1.72	1.04	0.96
10	31.2	6080	29.8	-4.49%				1.74	1.05	0.95
AVG.	31.78	6073	30.07	-5.38%				1.736	1.045	0.959
R	1	50	0.7	1.78%				0.04	0.04	0.03

承 认 书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKWLF0603-470KC-P

PART NO. CKWLF0603Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2020/5/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	ISAT A	△L/L				長 mm	寬 mm	高 mm
SPEC.	47.0 ± 10%	8640 Max	0.1 Typ					1.8 MAX	1.2 MAX	1.0 MAX
TEST FREQ.	2.5MHz									
1	46.0	7060	42.0	-8.70%				1.76	1.03	0.96
2	46.2	7110	42.6	-7.79%				1.75	1.05	0.97
3	46.8	7070	43.1	-7.91%				1.72	1.06	0.98
4	46.2	7210	42.5	-8.01%				1.73	1.02	0.95
5	46.5	7100	42.9	-7.74%				1.72	1.04	0.96
6	46.6	7170	43.2	-7.30%				1.75	1.06	0.96
7	47.0	7180	43.5	-7.45%				1.73	1.05	0.95
8	46.8	7200	43.6	-6.84%				1.74	1.05	0.95
9	46.5	7190	43.9	-5.59%				1.72	1.04	0.96
10	46.3	7150	43.2	-6.70%				1.74	1.05	0.95
AVG.	46.49	7144	43.05	-7.40%				1.736	1.045	0.959
R	1	150	1.9	3.10%				0.04	0.04	0.03