

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	20/May/2026	REVISION NO.	B
PART NO.	CKWLF0603 Series 无色点		
DRAWN NO.			
DESCRIPTION.	RF INDUCTOR		
Customer's Signature			
Approved by	Checked by	Drawn by	
梁智坤	黄大燕	赵龙宇	
20/May/2026	20/May/2026	20/May/2026	



广东今凯电子科技有限公司

GUANG DONG CHK ELECTRONIC TECH Co., Ltd



广东省佛山市顺德区北滘万洋科创园二区3栋

Building 3, District 2, Beijiao Wanyang Science and Technology
Innovation Park, Shunde District, Foshan City, Guangdong

www.gzchk.com

TEL: (020) 34567411

FAX: (020) 39946195

[illegible]

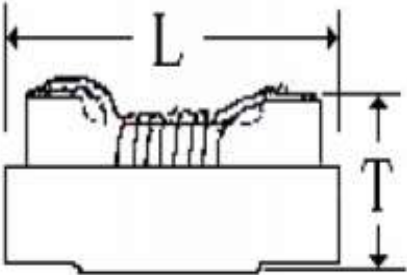


广东今凯电子科技有限公司
GUANG DONG CHK ELECTRONIC TECH Co., Ltd

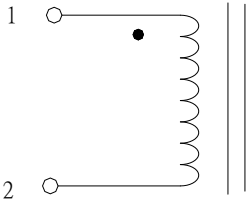
CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 1/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

1.SHAPE & DIMENSION

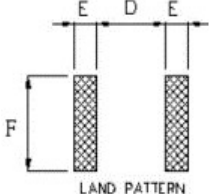
UNIT: mm



SCHEMATICS



Recommended Pad



LAND PATTERN

L	W	T	E	F	D
1.8	1.25	1.1	0.64	1.02	0.64
Max	MAX	MAX	Typ	Typ	Typ

PART NUMBERING SYSTEM

CK	WLF	0603	-	100	K	N	C
1	2	3	4	5	6	7	
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) J:±5% K:±10%						
6	NO MARKING COLOUR						
7	PACKAGING (包装方式) C - 编带盘装 B - 盒装						

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



广东今凯电子科技有限公司
GUANG DONG CHK ELECTRONIC TECH Co., Ltd

CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 2/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

2.SERIES SPECIFICATION

◆CKWLF0603 Specification:

Part Number	L	Test Freq	DCR	IDC mA	SRF MHz	Q	
	(μ H)	MHz	Ω	Max	Typ	TYP	MIN
CKWLF0603-1R0 $\diamond$ NC	1.0	7.9	$0.32 \pm 30\%$	700	250	16	12
CKWLF0603-1R5 $\diamond$ NC	1.5		$0.40 \pm 30\%$	600	160	16	12
CKWLF0603-1R8 $\diamond$ NC	1.8		$0.43 \pm 30\%$	580	121	16	12
CKWLF0603-2R2 $\diamond$ NC	2.2		$0.55 \pm 30\%$	580	103	16	12
CKWLF0603-2R7 $\diamond$ NC	2.7		$0.62 \pm 30\%$	500	72	16	12
CKWLF0603-3R3 $\diamond$ NC	3.3		$0.70 \pm 30\%$	500	66	16	12
CKWLF0603-3R9 $\diamond$ NC	3.9		$0.83 \pm 30\%$	460	61	16	12
CKWLF0603-4R7 $\diamond$ NC	4.7		$0.75 \pm 30\%$	420	51	16	12
CKWLF0603-5R6 $\diamond$ NC	5.6		$1.10 \pm 30\%$	380	47	16	12
CKWLF0603-6R8 $\diamond$ NC	6.8		$1.50 \pm 30\%$	340	42	16	12
CKWLF0603-8R2 $\diamond$ NC	8.2	2.5	$1.68 \pm 30\%$	300	40	14	10
CKWLF0603-100 $\diamond$ NC	10		$1.85 \pm 30\%$	280	36	14	10
CKWLF0603-120 $\diamond$ NC	12		$2.28 \pm 30\%$	260	32	14	10
CKWLF0603-150 $\diamond$ NC	15		$2.60 \pm 30\%$	220	29	14	10
CKWLF0603-180 $\diamond$ NC	18		$2.90 \pm 30\%$	220	28	14	10
CKWLF0603-220 $\diamond$ NC	22		$3.61 \pm 30\%$	200	24	14	10
CKWLF0603-270 $\diamond$ NC	27		$5.20 \pm 30\%$	140	20	14	10
CKWLF0603-330 $\diamond$ NC	33		$6.60 \pm 30\%$	120	15	14	10
CKWLF0603-470 $\diamond$ NC	47		$9.23 \pm 30\%$	100	5	12	8

Note: “ $\diamond$ ” K: $\pm 10\%$, J: $\pm 5\%$

◆TEST CONDITION

ITEM	TEST CONDITION	TEST INSTRUMENTS
L	13.56MHz/1V	HP4287A
Isat		VR116+VR7210
DCR		502BC
SRF		E5071C ENA

※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
梁智坤	黄大燕	赵龙宇



广东今凯电子科技有限公司
GUANG DONG CHK ELECTRONIC TECH Co., Ltd

CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 3/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

3.MATERIAL LIST & GENERAL SPECIFICATION

材料名称	型号及规格	制造商	备注
ITEM	Materials	Manufacturer	Note
磁芯 (Drum Core)	镍锌	DC/TZD	NA
铜线 (Wire)	聚酯亚胺漆包线	ELEKTRISOLA	NA

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

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



广东今凯电子科技有限公司

GUANG DONG CHK ELECTRONIC TECH Co., Ltd

CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 4/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

4.PACKAGING(unit: mm)

1.包装类型

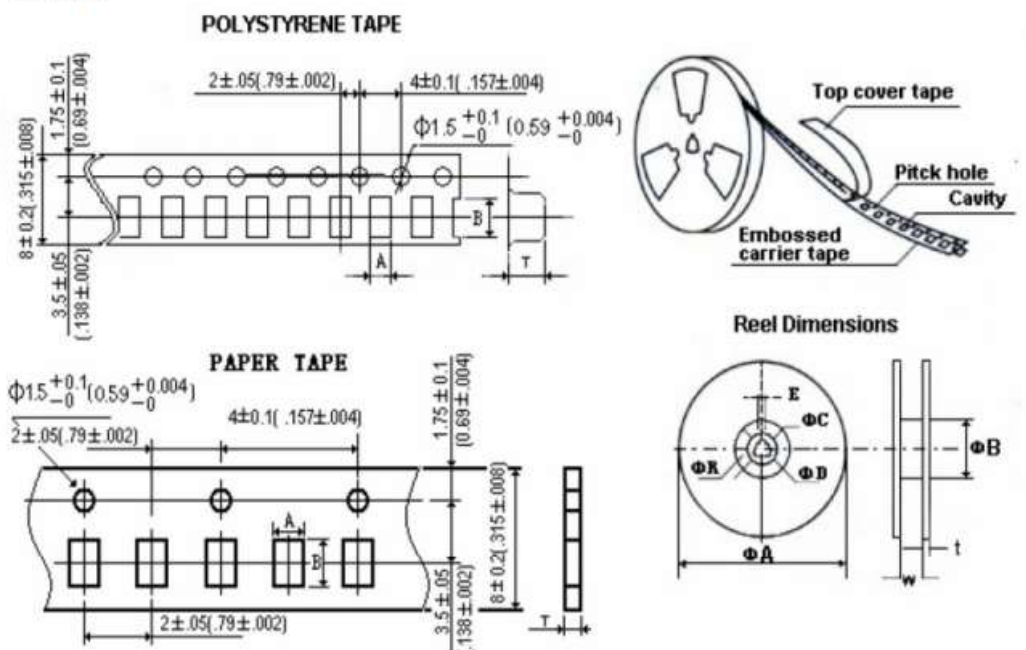
2.包装尺寸

☐ 13" 盘

☒ 7" 盘

◆ Packaging Style

1、Tape



		A	B	T
纸带	0402	0.74	1.23	0.60
胶带	0603	1.15	1.83	0.95
	0805	1.85	2.40	1.45
	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

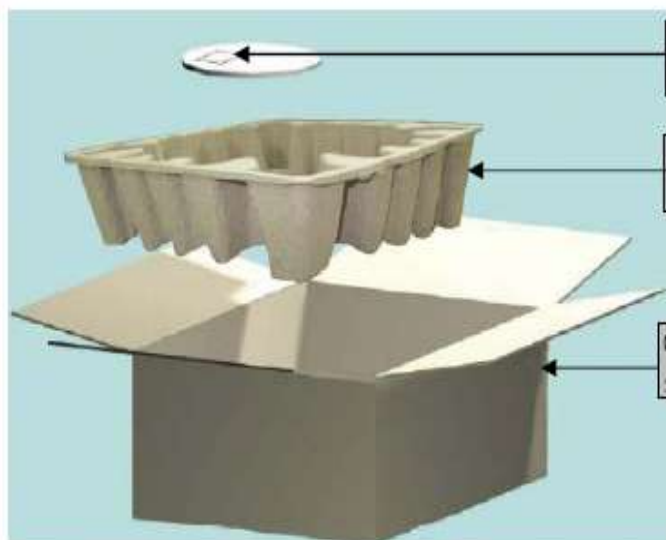
APPROVED BY	CHECKED BY	DRAFT
梁智坤	黄大燕	赵龙宇



广东今凯电子科技有限公司
GUANG DONG CHK ELECTRONIC TECH Co., Ltd

CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 5/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

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
----	------	-----

外箱包装数量

每箱	40 卷,共	160000	PCS
----	--------	--------	-----

APPROVED BY	CHECKED BY	DRAFT
梁智坤	黄大燕	赵龙宇



广东今凯电子科技有限公司

GUANG DONG CHK ELECTRONIC TECH Co., Ltd

CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 6/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

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 > 100M Ω 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 $\pm$ 2 sec.	No detachment of terminal pin and no breakage of wire
8	Soldering heat resistance	Dip Inductor's terminal in solder bath of following conditions: 1) 260 $\pm$ 5°C, 10 $\pm$ 1 sec, 2) 350 $\pm$ 10°C, 3.5 $\pm$ 0.5 sec	Inductance shall be within $\pm 10\%$ of the initial value. Apperance: No damage

APPROVED BY	CHECKED BY	DRAFT
梁智坤	黄大燕	赵龙宇



广东今凯电子科技有限公司

GUANG DONG CHK ELECTRONIC TECH Co., Ltd

CUSTOMER	0	REVISION NO.	B
CUSTOMER'S P/N	0	PAGE	P 7/7
DESCRIPTION.	RF INDUCTOR	DRAWN NO.	0
PART NO.	CKWLF0603 Series 无色点	DATE	2026/5/20

7. SOLDERING CONDITIONS

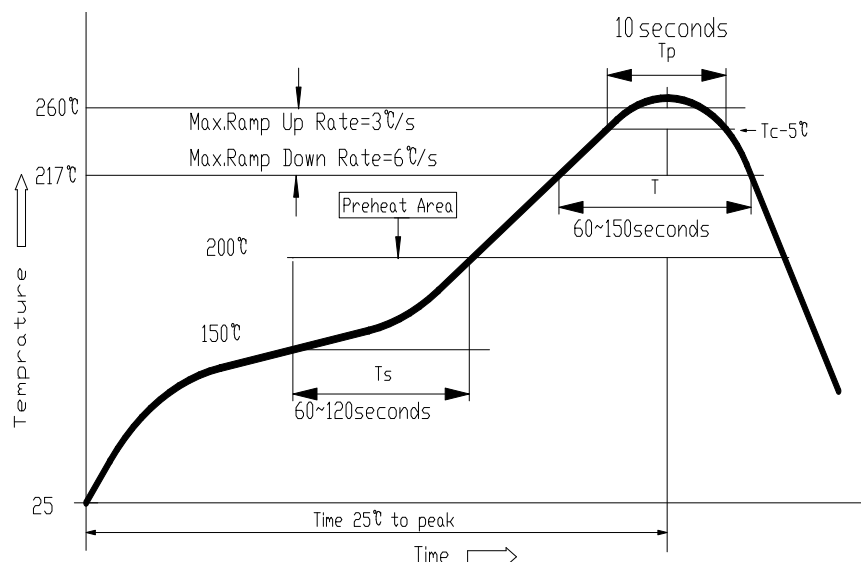
Applicable soldering process to the products is refl.

9.1 Soldering Materials

(1) Solder:Sn-3.0Ag-0.5Cu

(2) Flux:Use rosin-based flux,but not strongly acidic flux (with xhlorine exceeding 0.2wt%).Do not use water-soluble flux.

9.2 Reflow Soldering Profile



9.3 Soldering Iron

Reworking with electric soldering iron must preheating at 150°C for 1 minute is required,and do not directly touch the core with the tip of the soldering iron.The reworking soldering conditions are as follows.

- ①Temperature of soldering iron tip:350°C;
- ② Soldering iron power output:≤30W;
- ③ Diameter of soldering iron end:≤1.0mm;
- ④Soldering time:<3 s



APPROVED BY	CHECKED BY	DRAFT
梁智坤	黄大燕	赵龙宇