

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	18/Mar/2025	REVISION NO.	A
PART NO.	CKNR252008A Series		
DRAWN NO.			
DESCRIPTION.	SMD POWER INDUCTOR		
Customer's Signature			
Approved by	Checked by	Drawn by	
黄大燕	黄大燕	林树英	
18/Mar/2025	18/Mar/2025	18/Mar/2025	



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 Province

www.gzchk.com



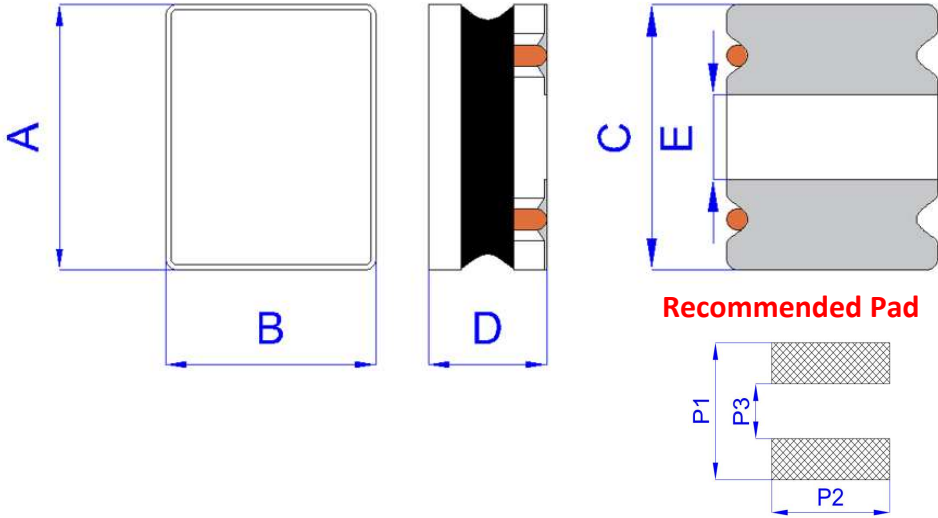
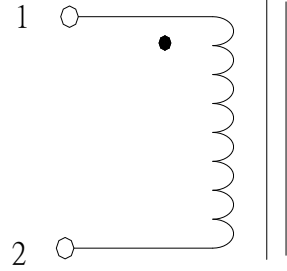
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1.SHAPE & DIMENSION

UNIT: mm						SCHEMATICS	
							
						MARKING COLOR	
						NA	

A	B	C	D	E	P1	P2	P3
2.5	2	2.5	0.85	0.8	2.5	2.2	0.8
0.3/-0.1	0.3/-0.1	0.3/-0.1	MAX	±0.25	Ref.	Ref.	Ref.

PART NUMBERING SYSTEM

CK NR 252008 A - 2R2 M C							
1 2 3 4 5 6 7							
1 CHK PRODUCTION (今凯制造)							
2 PRODUCT CATEGORY (产品种类) NR-镍锌 NRS-合金							
3 DIMENSIONS (尺寸规格)							
4 MAERTIAL TYPE (材料类型)							
5 INDUCTANCE (电感量)							
6 TOLERANCE (公差) M:±20% N:±25% Y:±30%							
7 PACKAGING (包装方式) C - 编带盘装 B - 盒装							

APPROVED BY	CHECKED BY	DRAFT BY
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2.SERIES SPECIFICATION

◆ CKNR252008A Series Specification:

Part Number	Inductance	Test Freq	DCR (mΩ)		Saturation Current (A)		Temp. Rise Current (A)	
	(μ H)	(Hz)	Max	Typ	Max	Typ	Max	Typ
CKNR252008A-R47YC	0. 47	100KHz/1V	94	72	1. 60	1. 80	1. 60	1. 80
CKNR252008A-1R0YC	1. 00		147	113	1. 40	1. 80	1. 80	2. 00
CKNR252008A-1R5YC	1. 50		195	150	1. 20	1. 50	1. 50	1. 70
CKNR252008A-2R2MC	2. 20		278	214	1. 20	1. 40	1. 50	1. 60
CKNR252008A-3R3MC	3. 30		452	348	0. 95	1. 10	1. 20	1. 30
CKNR252008A-4R7MC	4. 70		611	470	0. 95	1. 00	1. 00	1. 10
CKNR252008A-6R8MC	6. 80		918	706	0. 65	0. 75	0. 80	1. 00

◆ TEST CONDITION

ITEM	TEST CONDITION	TEST INSTRUMENTS
L	100KHz/1V	Microtest 6377
Isat		TH1773+Microtest 6377
Irms		
DCR	25±5℃	TH2512B

*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 $\Delta T \leq 40^{\circ}\text{C}$. ($T_a = 25^{\circ}\text{C}$)

*For CKNR252008A Series size inductors, absolute maximum voltage: I 25 V.

※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※

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3.MATERIAL LIST & GENERAL SPECIFICATION

材料名称	型号及规格	制造商	环保要求	备注
ITEM	Materials	Manufacturer	EN.QU	Note
磁芯1 (Drum Core)	镍锌 (Nickel-Zinc)	DJ	RoHS	Primary
铜线 (Wire)	Polyester Wire or equivalent	ELEKTRISOLA	RoHS	
胶水 (Glue)	Phenolic epoxy resin	DJ	RoHS	
锡 (Solder)	107H	QD	RoHS	Primary
锡 (Solder)	107H	TF	RoHS	Alternative

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

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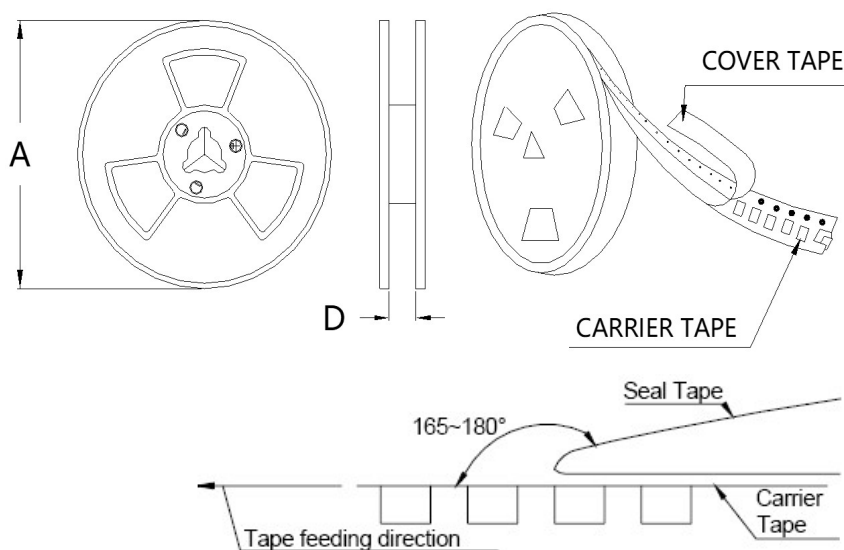
4.PACKAGING(unit: mm)

1.包装类型

2.包装尺寸

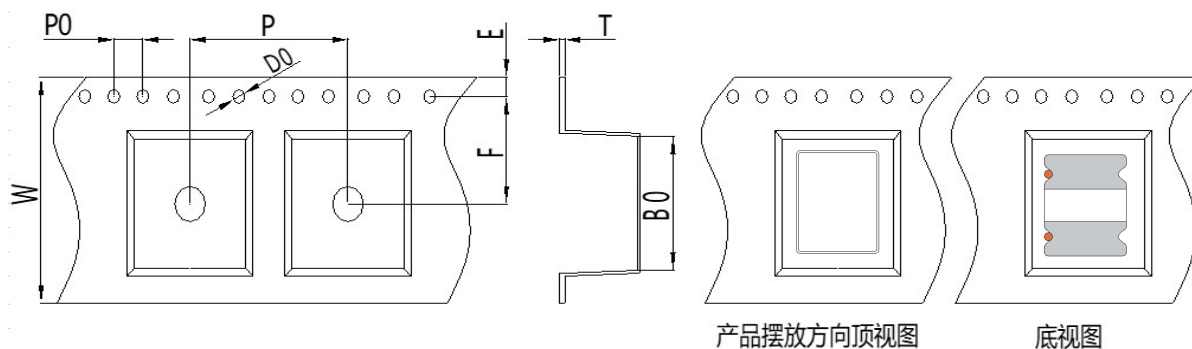
 13" 盘

 7" 盘



	13" 盘	7" 盘
A	$\Phi 330 \pm 2.0$	$\Phi 178 \pm 2.0$
D	8.4	

Peel-off strength:10~100gf.
Peel-off angle:165°-180°
Peel-off speed:300mm/min.



Item	W	B0	P	T	E	F	D0	P0		
DIM(mm)	8.0±0.3	2.95±0.1	4.0±0.1	0.3±0.05	1.75±0.1	3.5±0.1	1.5±0.1	4.0±0.1		

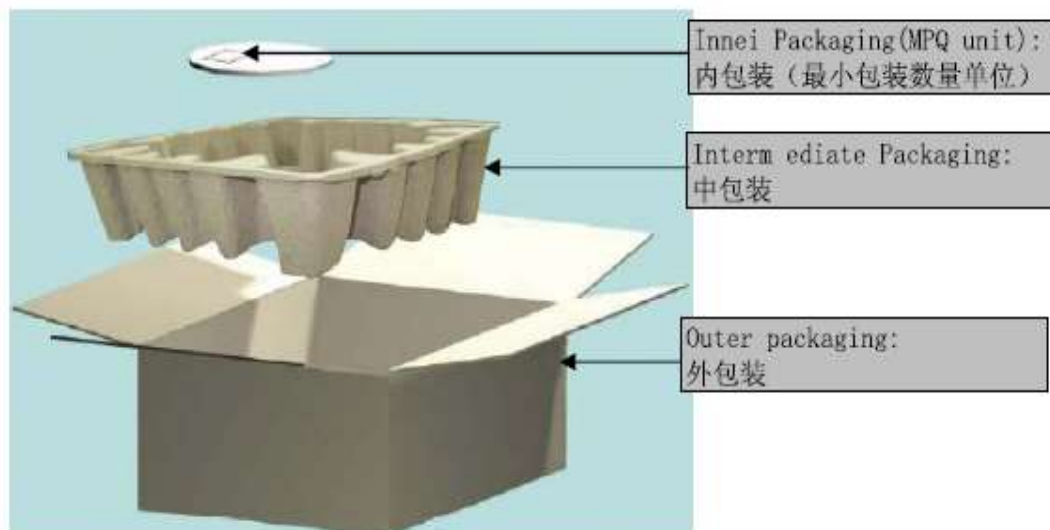
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5. CARTON



- 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	2000	PCS
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外箱包装数量

每箱	40	卷,共	80000	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 > 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

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7. SOLDERING CONDITIONS

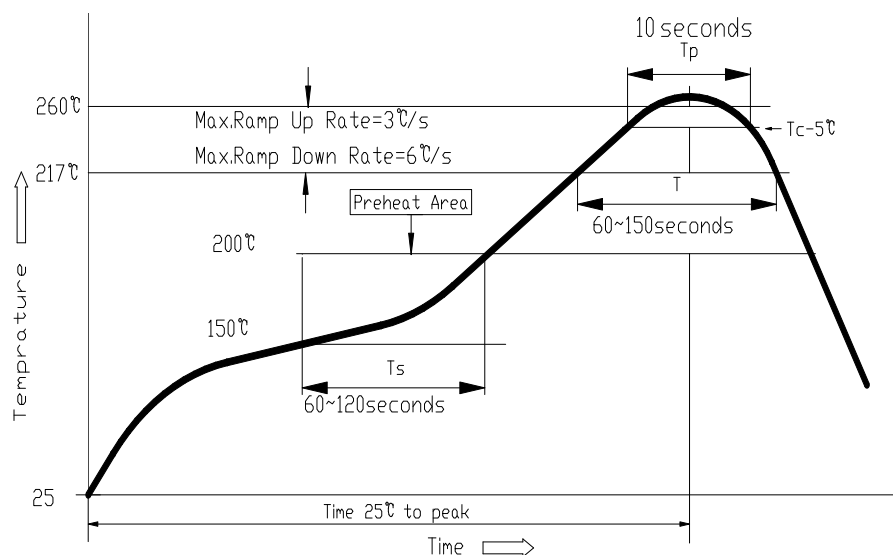
Applicable soldering process to the products is refl.

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



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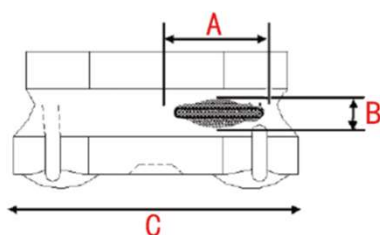
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8.Appearance of the standard

1.Void appearance tolerance limit

Size of voids occurring to coating resin is specified below.



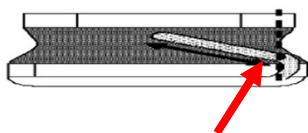
①Width direction(dimension A): Acceptable when $A \leq C/2$

Nonconforming when $B \geq C/2$

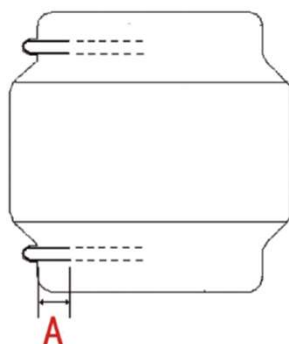
②Length direction(dimension B):Dimension b is not specified

③When total area of voids (including one exposing coil) occurring to each sides is not greater than 50% of coating resin area,that is acceptable.

2.External appearance criterion for exposed wire



Exposed end of the winding wire at the secondary side should be 3.0mm and below.



①Acceptable when $A \leq 0.8\text{mm}$

②Nonconforming when $A > 0.8\text{mm}$

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JINKAI P/N: CKNR252008A-R47YC

PART NO. CKNR252008A Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

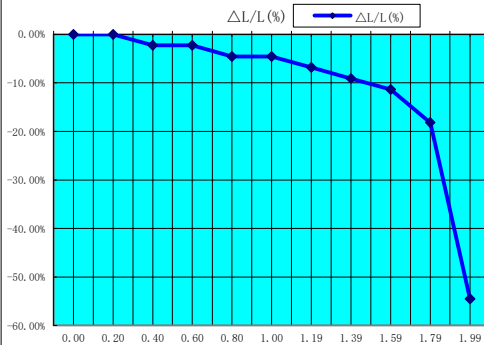
DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	0.47 ± 30%	94 Max.	1.80 Max.	ΔL/L≤-30%	1.60 ΔT≤40℃ ℃			上限 下限	2.75 2.25	2.25 1.75	0.85 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	0.45	75.1	0.39	-13.33%	OK				2.68	2.17	0.77
2	0.44	74.6	0.39	-11.36%	OK				2.65	2.15	0.79
3	0.45	71.5	0.40	-11.11%	OK				2.66	2.15	0.80
4	0.44	70.6	0.38	-13.64%	OK				2.66	2.17	0.78
5	0.40	73.6	0.35	-12.50%	OK				2.65	2.16	0.76
6	0.44	71.2	0.40	-9.09%	OK				2.62	2.15	0.78
7	0.47	68.9	0.39	-17.02%	OK				2.65	2.15	0.78
8	0.42	69.0	0.40	-4.76%	OK				2.68	2.14	0.79
9	0.44	72.0	0.38	-13.64%	OK				2.68	2.16	0.80
10	0.42	71.8	0.36	-14.29%	OK				2.63	2.14	0.80
AVG.	0.437	71.83	0.384	-12.07%					2.656	2.154	0.785
R	0.07	6.2	0.05	12.26%					0.06	0.03	0.04

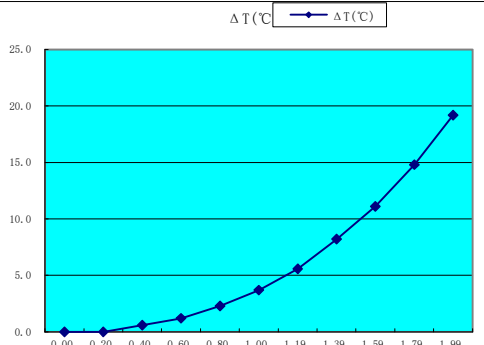
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	0.44	0.00%
1	0.20	0.44	0.00%
1	0.40	0.43	-2.27%
1	0.60	0.43	-2.27%
1	0.80	0.42	-4.55%
1	1.00	0.42	-4.55%
1	1.19	0.41	-6.82%
1	1.39	0.40	-9.09%
1	1.59	0.39	-11.36%
1	1.79	0.36	-18.18%
1	1.99	0.20	-54.55%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	0.47	0.00%	28.9	0.0
30	0.20	0.47	0.00%	28.9	0.0
30	0.40	0.47	0.00%	29.5	0.6
30	0.60	0.46	-2.13%	30.1	1.2
30	0.80	0.45	-4.26%	31.2	2.3
30	1.00	0.44	-6.38%	32.6	3.7
30	1.19	0.42	-10.64%	34.5	5.6
30	1.39	0.40	-14.89%	37.1	8.2
30	1.59	0.38	-19.15%	40.0	11.1
30	1.79	0.30	-36.17%	43.7	14.8
30	1.99	0.19	-59.57%	48.1	19.2



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DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

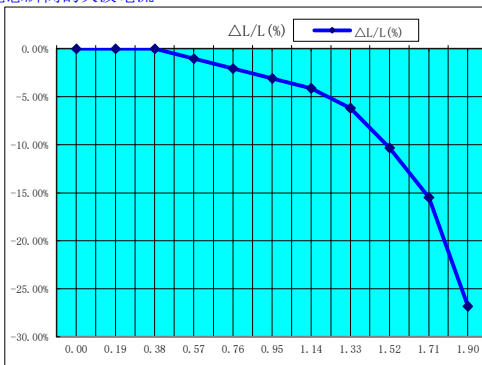
DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	1.0 ± 30%	147 Max.	1.40 Max.	ΔL/L≤-30%	1.40 ΔT≤40℃ ℃			上限 下限	2.75 2.25	2.25 1.75	0.85 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	0.89	111	0.80	-10.11%	OK				2.63	2.18	0.78
2	0.91	114	0.81	-10.99%	OK				2.69	2.17	0.79
3	0.92	110	0.82	-10.87%	OK				2.63	2.15	0.81
4	0.91	116	0.82	-9.89%	OK				2.62	2.15	0.79
5	0.89	115	0.80	-10.11%	OK				2.65	2.14	0.78
6	0.87	118	0.81	-6.90%	OK				2.65	2.14	0.75
7	0.90	111	0.82	-8.89%	OK				2.66	2.14	0.75
8	0.89	114	0.79	-11.24%	OK				2.68	2.16	0.78
9	0.87	113	0.80	-8.05%	OK				2.66	2.15	0.78
10	0.90	111	0.80	-11.11%	OK				2.62	2.15	0.79
AVG.	0.895	113.3	0.807	-9.82%					2.649	2.153	0.78
R	0.05	8	0.03	4.34%					0.07	0.04	0.06

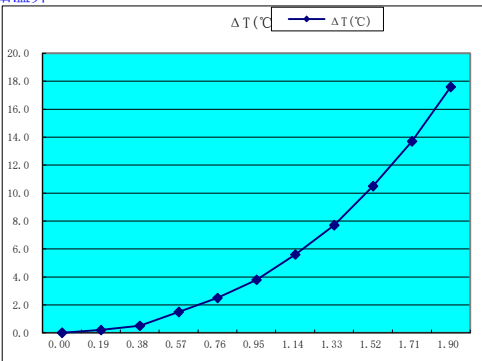
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	0.97	0.00%
1	0.19	0.97	0.00%
1	0.38	0.97	0.00%
1	0.57	0.96	-1.03%
1	0.76	0.95	-2.06%
1	0.95	0.94	-3.09%
1	1.14	0.93	-4.12%
1	1.33	0.91	-6.19%
1	1.52	0.87	-10.31%
1	1.71	0.82	-15.46%
1	1.90	0.71	-26.80%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	0.98	0.00%	27.3	0.0
30	0.19	0.98	0.00%	27.5	0.2
30	0.38	0.97	-1.02%	27.8	0.5
30	0.57	0.97	-1.02%	28.8	1.5
30	0.76	0.96	-2.04%	29.8	2.5
30	0.95	0.94	-4.08%	31.1	3.8
30	1.14	0.93	-5.10%	32.9	5.6
30	1.33	0.91	-7.14%	35.0	7.7
30	1.52	0.87	-11.22%	37.8	10.5
30	1.71	0.82	-16.33%	41.0	13.7
30	1.90	0.73	-25.51%	44.9	17.6



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TEST TEMP. 20~25℃

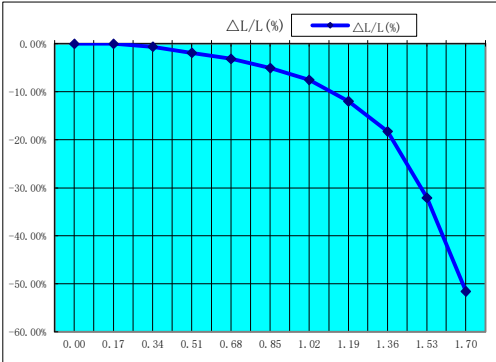
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MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	1.5 ± 30%	195 Max.	1.20 Max.	ΔL/L≤-30%	1.10 ΔT≤40℃ ℃				上限 2.75 下限 2.25	2.25 1.75	0.85 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	1.52	153	1.40	-7.89%	OK				2.67	2.18	0.78
2	1.55	152	1.41	-9.03%	OK				2.64	2.17	0.78
3	1.51	147	1.39	-7.95%	OK				2.68	2.17	0.77
4	1.53	150	1.40	-8.50%	OK				2.67	2.17	0.79
5	1.52	151	1.40	-7.89%	OK				2.68	2.15	0.79
6	1.53	150	1.41	-7.84%	OK				2.66	2.18	0.78
7	1.51	149	1.42	-5.96%	OK				2.65	2.19	0.78
8	1.49	150	1.38	-7.38%	OK				2.64	2.17	0.75
9	1.54	148	1.42	-7.79%	OK				2.63	2.18	0.79
10	1.51	149	1.42	-5.96%	OK				2.68	2.19	0.78
AVG.	1.521	149.9	1.405	-7.62%					2.66	2.1745	0.779
R	0.06	6	0.04	3.07%					0.05	0.04	0.04

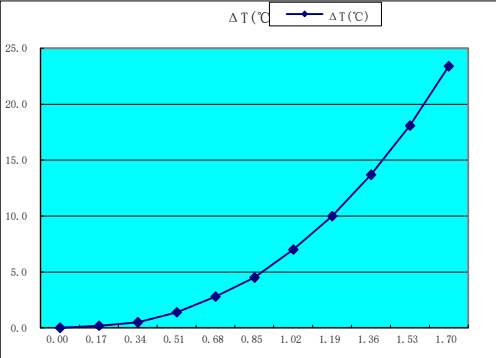
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	1.59	0.00%
1	0.17	1.59	0.00%
1	0.34	1.58	-0.63%
1	0.51	1.56	-1.89%
1	0.68	1.54	-3.14%
1	0.85	1.51	-5.03%
1	1.02	1.47	-7.55%
1	1.19	1.40	-11.95%
1	1.36	1.30	-18.24%
1	1.53	1.08	-32.08%
1	1.70	0.77	-51.57%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	1.54	0.00%	28.8	0.0
30	0.17	1.52	-1.30%	29.0	0.2
30	0.34	1.52	-1.30%	29.3	0.5
30	0.51	1.52	-1.30%	30.2	1.4
30	0.68	1.49	-3.25%	31.6	2.8
30	0.85	1.46	-5.19%	33.3	4.5
30	1.02	1.41	-8.44%	35.8	7.0
30	1.19	1.34	-12.99%	38.8	10.0
30	1.36	1.24	-19.48%	42.5	13.7
30	1.53	1.05	-31.82%	46.9	18.1
30	1.70	0.76	-50.65%	52.2	23.4



承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR252008A-2R2MC

PART NO. CKNR252008A Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

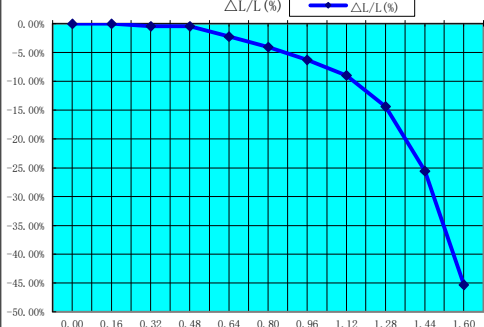
DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION							DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A			長 mm	寬 mm	高 mm
SPEC.	2.2 ± 20%	278 Max.	1.00 Max.	ΔL/L≤-30%	1.00 ΔT≤40℃ ℃			上限 2.75 下限 2.25	2.25 1.75	0.85 MAX
TEST FREQ.	100KHz/1V		100KHz/1V							
1	2.06	222	1.80	-12.62%	OK			2.64	2.13	0.79
2	2.17	219	1.85	-14.75%	OK			2.68	2.17	0.75
3	2.13	213	1.98	-7.04%	OK			2.61	2.17	0.79
4	2.08	214	1.85	-11.06%	OK			2.65	2.16	0.75
5	2.07	212	1.85	-10.63%	OK			2.64	2.14	0.78
6	2.05	214	1.80	-12.20%	OK			2.63	2.15	0.78
7	2.09	208	1.84	-11.96%	OK			2.65	2.14	0.80
8	2.10	216	1.90	-9.52%	OK			2.63	2.15	0.80
9	2.14	213	1.82	-14.95%	OK			2.66	2.19	0.80
10	2.16	212	1.98	-8.33%	OK			2.68	2.19	0.79
AVG.	2.105	214.3	1.867	-11.31%				2.6474	2.159	0.783
R	0.12	14	0.18	7.91%				0.07	0.06	0.05

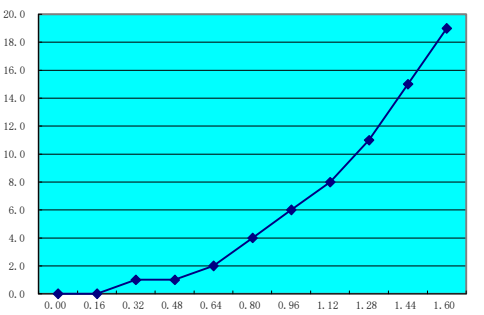
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	2.23	0.00%
1	0.16	2.23	0.00%
1	0.32	2.22	-0.45%
1	0.48	2.22	-0.45%
1	0.64	2.18	-2.24%
1	0.80	2.14	-4.04%
1	0.96	2.09	-6.28%
1	1.12	2.03	-8.97%
1	1.28	1.91	-14.35%
1	1.44	1.66	-25.56%
1	1.60	1.22	-45.29%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	2.16	0.00%	27.0	0.0
30	0.16	2.15	-0.46%	27.0	0.0
30	0.32	2.16	0.00%	28.0	1.0
30	0.48	2.16	0.00%	28.0	1.0
30	0.64	2.12	-1.85%	29.0	2.0
30	0.80	2.08	-3.70%	31.0	4.0
30	0.96	2.03	-6.02%	33.0	6.0
30	1.12	1.93	-10.65%	35.0	8.0
30	1.28	1.74	-19.44%	38.0	11.0
30	1.44	1.41	-34.72%	42.0	15.0
30	1.60	0.94	-56.48%	46.0	19.0



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR252008A-3R3MC

PART NO. CKNR252008A Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION							DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A			長 mm	寬 mm	高 mm
SPEC.	3.3 ± 20%	452 Max.	0.90 Max.	ΔL/L≤-30%	0.90 ΔT≤40℃ ℃			上限 2.75 下限 2.25	2.25 1.75	0.85 MAX
TEST FREQ.	100KHz/1V		100KHz/1V							
1	3.04	344	2.59	-14.80%	OK			2.64	2.15	0.77
2	3.09	347	2.60	-15.86%	OK			2.68	2.15	0.79
3	3.08	343	2.62	-14.94%	OK			2.62	2.15	0.79
4	3.09	345	2.70	-12.62%	OK			2.63	2.15	0.79
5	3.11	356	2.79	-10.29%	OK			2.62	2.15	0.79
6	3.05	342	2.60	-14.75%	OK			2.65	2.16	0.77
7	3.03	358	2.65	-12.54%	OK			2.66	2.18	0.80
8	3.07	353	2.68	-12.70%	OK			2.65	2.15	0.80
9	3.12	345	2.70	-13.46%	OK			2.65	2.19	0.80
10	3.12	348	2.71	-13.14%	OK			2.64	2.19	0.79
AVG.	3.080	348.1	2.664	-13.51%				2.644	2.162	0.789
R	0.09	16	0.2	5.57%				0.06	0.04	0.03

Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	3.60	0.00%
1	0.12	3.58	-0.56%
1	0.24	3.58	-0.56%
1	0.36	3.52	-2.22%
1	0.48	3.47	-3.61%
1	0.60	3.40	-5.56%
1	0.72	3.27	-9.17%
1	0.84	3.01	-16.39%
1	0.96	2.95	-18.06%
1	1.08	2.56	-28.89%
1	1.20	2.09	-41.94%

單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	3.49	0.00%	29.3	0.0
30	0.12	3.46	-0.86%	29.3	0.0
30	0.24	3.48	-0.29%	29.7	0.4
30	0.36	3.45	-1.15%	30.3	1.0
30	0.48	3.37	-3.44%	31.6	2.3
30	0.60	3.30	-5.44%	33.3	4.0
30	0.72	3.20	-8.31%	35.6	6.3
30	0.84	3.06	-12.32%	38.5	9.2
30	0.96	2.83	-18.91%	42.0	12.7
30	1.08	2.45	-29.80%	48.2	18.9
30	1.20	1.84	-47.28%	51.6	22.3

承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR252008A-4R7MC

PART NO. CKNR252008A Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION									DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A					長 mm	寬 mm	高 mm
SPEC.	4.7 ± 20%	611 Max.	0.70 Max.	ΔL/L≤-30%	0.70 ΔT≤40℃ ℃				上限 下限	2.75 2.25	2.25 1.75	0.85 MAX
TEST FREQ.	100KHz/1V		100KHz/1V									
1	4.94	478	4.21	-14.8%	OK					2.62	2.19	0.76
2	5.22	456	4.42	-15.3%	OK					2.65	2.14	0.80
3	5.15	463	4.51	-12.4%	OK					2.63	2.14	0.81
4	5.23	470	4.60	-12.0%	OK					2.64	2.19	0.78
5	5.04	462	4.40	-12.7%	OK					2.65	2.18	0.78
6	5.14	481	4.45	-13.4%	OK					2.64	2.16	0.77
7	5.06	493	4.38	-13.4%	OK					2.66	2.18	0.80
8	4.89	456	4.21	-13.9%	OK					2.65	2.15	0.80
9	5.13	477	4.32	-15.8%	OK					2.65	2.19	0.80
10	4.97	468	4.21	-15.3%	OK					2.64	2.19	0.79
AVG.	5.077	470.4	4.371	-13.91%						2.643	2.171	0.789
R	0.34	37	0.39	3.74%						0.04	0.05	0.05

Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	4.81	0.00%
1	0.11	4.82	0.21%
1	0.21	4.80	-0.21%
1	0.32	4.78	-0.62%
1	0.42	4.74	-1.46%
1	0.53	4.69	-2.49%
1	0.63	4.63	-3.74%
1	0.74	4.53	-5.82%
1	0.84	4.33	-9.98%
1	0.95	3.82	-20.58%
1	1.05	2.33	-51.56%

單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	4.45	0.00%	29.0	0.0
30	0.11	4.44	-0.22%	29.0	0.0
30	0.21	4.44	-0.22%	30.0	1.0
30	0.32	4.43	-0.45%	31.0	2.0
30	0.42	4.40	-1.12%	32.0	3.0
30	0.53	4.35	-2.25%	35.0	6.0
30	0.63	4.30	-3.37%	38.0	9.0
30	0.74	4.21	-5.39%	41.0	12.0
30	0.84	4.03	-9.44%	46.0	17.0
30	0.95	3.69	-17.08%	51.0	22.0
30	1.05	2.96	-33.48%	58.0	29.0

承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR252008A-6R8MC

PART NO. CKNR252008A Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

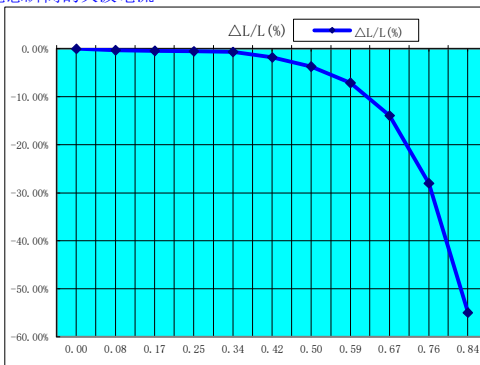
DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	6.8	918	0.65	ΔL/L≤-30%	0.65			上限	2.75	2.25	0.85
	± 20%	Max.	Max.		ΔT≤40℃ ℃			下限	2.25	1.75	MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	6.67	684	5.60	-16.04%	OK				2.61	2.14	0.76
2	6.83	711	5.46	-20.06%	OK				2.61	2.14	0.75
3	6.64	700	5.62	-15.36%	OK				2.64	2.17	0.78
4	6.85	696	5.50	-19.71%	OK				2.66	2.14	0.75
5	6.59	708	5.53	-16.08%	OK				2.63	2.15	0.74
6	6.68	712	5.58	-16.47%	OK				2.64	2.16	0.78
7	6.93	704	5.54	-20.06%	OK				2.66	2.18	0.79
8	6.92	719	5.58	-19.36%	OK				2.65	2.15	0.79
9	7.03	722	5.60	-20.34%	OK				2.65	2.19	0.78
10	6.77	710	5.60	-17.28%	OK				2.64	2.19	0.76
AVG.	6.791	706.6	5.561	-18.08%					2.639	2.161	0.768
R	0.44	38	0.16	4.98%					0.05	0.05	0.05

Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	7.32	0.00%
1	0.08	7.30	-0.27%
1	0.17	7.29	-0.41%
1	0.25	7.28	-0.55%
1	0.34	7.27	-0.68%
1	0.42	7.19	-1.78%
1	0.50	7.05	-3.69%
1	0.59	6.80	-7.10%
1	0.67	6.30	-13.93%
1	0.76	5.27	-28.01%
1	0.84	3.30	-54.92%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	7.11	0.00%	28.1	0.0
30	0.08	7.10	-0.14%	28.2	0.1
30	0.17	7.10	-0.14%	28.6	0.5
30	0.25	7.09	-0.28%	29.5	1.4
30	0.34	7.05	-0.84%	30.9	2.8
30	0.42	6.97	-1.97%	32.8	4.7
30	0.50	6.84	-3.80%	35.2	7.1
30	0.59	6.61	-7.03%	38.3	10.2
30	0.67	6.16	-13.36%	42.2	14.1
30	0.76	5.16	-27.43%	46.8	18.7
30	0.84	3.34	-53.02%	52.5	24.4

