

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	18/Mar/2025	REVISION NO.	A
PART NO.	CKNR6012B 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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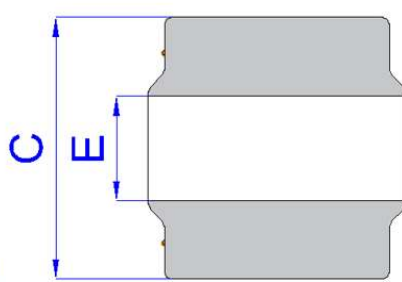
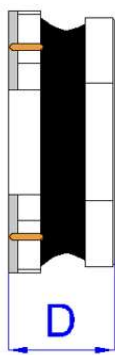
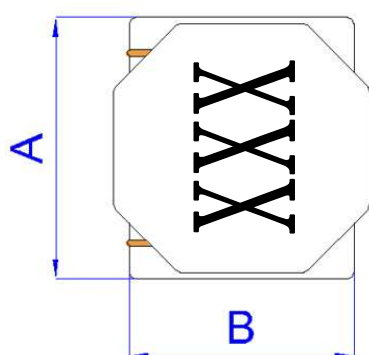


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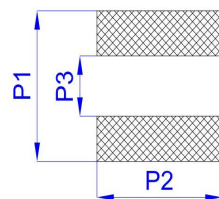
CUSTOMER	0	REVISION NO.	A
CUSTOMER'S P/N	0	PAGE	P 1/8
DESCRIPTION.	SMD POWER INDUCTOR	DRAWN NO.	0
PART NO.	CKNR6012B Series	DATE	2025/3/18

1.SHAPE & DIMENSION

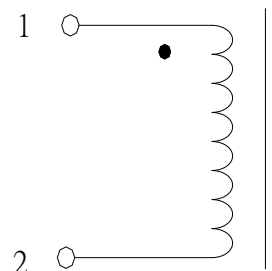
UNIT: mm



Recommended Pad



SCHEMATICS



MARKING
COLOR

BLACK

A	B	C	D	E	P1	P2	P3
6	6	6	1	2.65	6.3	5.7	3.1
±0.2	±0.2	±0.2	±0.1	±0.3	Ref.	Ref.	Ref.

PART NUMBERING SYSTEM

CK NR 6012 B - 2R2 M C
1 2 3 4 4 5 6

- CHK PRODUCTION (今凯制造)
- PRODUCT CATEGORY (产品种类) NR-镍锌 NRS-合金
- DIMENSIONS (尺寸规格)
- MAERTIAL TYPE (材料类型)
- INDUCTANCE (电感量)
- TOLERANCE (公差) M:±20% N:±25% Y:±30%
- 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	林树英



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DESCRIPTION.	SMD POWER INDUCTOR	DRAWN NO.	0
PART NO.	CKNR6012B Series	DATE	2025/3/18

2.SERIES SPECIFICATION

◆ CKNR6012B S Series Specification:

Part Number	Inductance	Test Freq	DCR (mΩ)		Saturation Current (A)		Temp. Rise Current (A)	
	(μH)	(Hz)	Max	Typ	Max	Typ	Max	Typ
CKNR6012B-2R2NC	2.20	100KHz/1V	120	95	2.80	3.20	2.80	3.10
CKNR6012B-3R3MC	3.30		163	128	2.50	2.80	2.40	2.60
CKNR6012B-4R7MC	4.70		220	173	1.80	2.00	2.20	2.50
CKNR6012B-6R8MC	6.80		280	200	1.75	1.95	1.80	2.20
CKNR6012B-100MC	100		371	286	1.50	1.70	1.30	1.70
CKNR6012B-150MC	150		659	547	1.20	1.30	1.10	1.30
CKNR6012B-220MC	220		784	615	0.95	1.05	0.95	1.15

◆ 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 CKNR6012B Series size inductors, absolute maximum voltage: DC 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	DAJOO	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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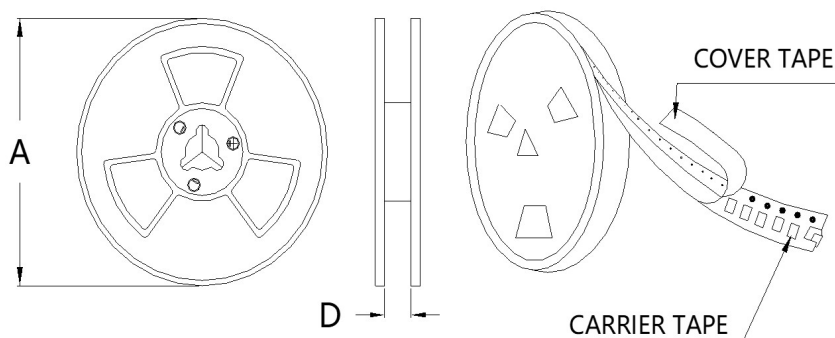
4.PACKAGING(unit: mm)

1.包装类型

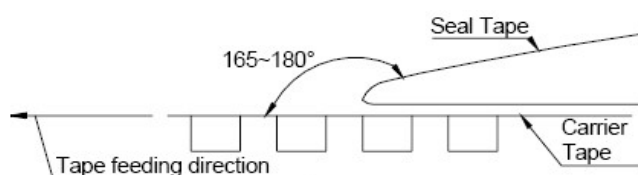
2.包装尺寸

13" 盘

7" 盘



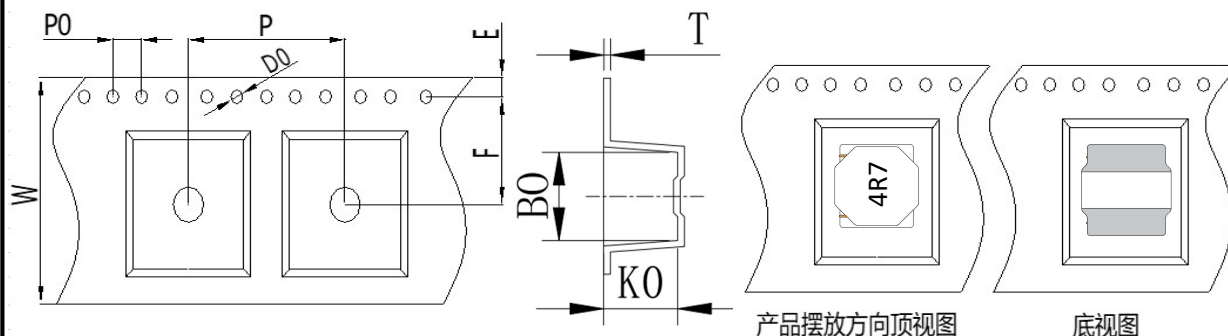
	13" 盘	7" 盘
A	$\Phi 330 \pm 2.0$	$\Phi 178 \pm 2.0$
D	16.4	



Peel-off strength:10~100gf.

Peel-off angle:165°-180°

Peel-off speed:300mm/min.



Item	W	BO	P	T	E	F	D0	P0	K0	
DIM(mm)	16.0 ± 0.3	6.4 $\pm$ 0.1	8.0 $\pm$ 0.1	0.3 $\pm$ 0.05	1.75 ± 0.1	7.5 $\pm$ 0.1	1.5 $\pm$ 0.1	4.0 $\pm$ 0.1	1.4 $\pm$ 0.1	

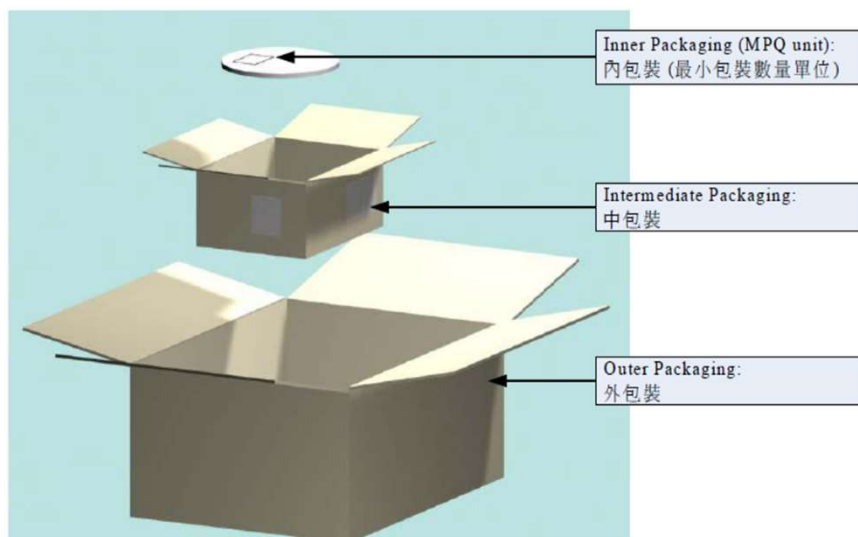
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5. CARTON



- 1.1 外箱: 36*36*23 cm 一箱装 2内箱
- 1.2 内箱: 33.5*33.5*9 cm 一箱装5卷制品
- 1.3 外箱材质: A三A
- 1.4 内箱材质: A=A
- 1.5 每一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:90mm 宽度:50mm
(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	3500	PCS
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内箱包装数量

每箱	5	卷,共	17500	PCS
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外箱包装数量

每箱	10	卷,共	35000	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 following conditions: 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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7. SOLDERING CONDITIONS

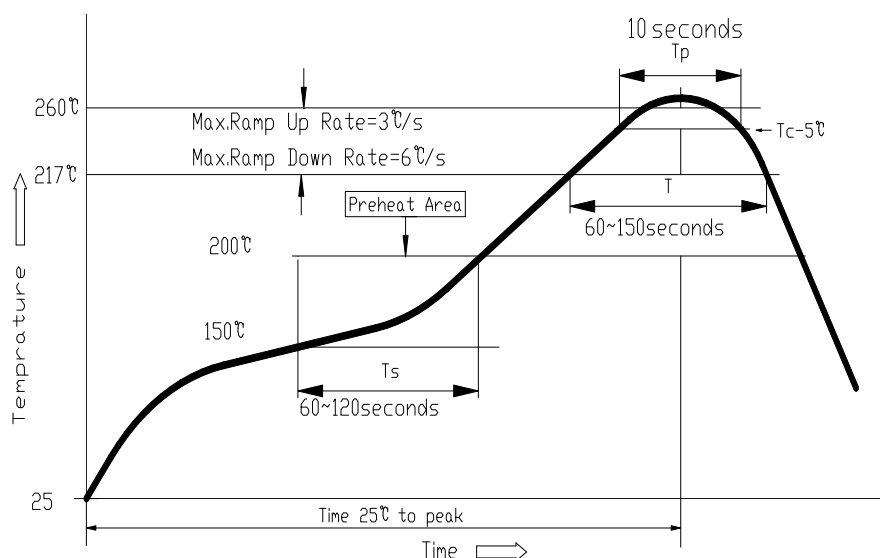
Applicable soldering process to the products is refl.

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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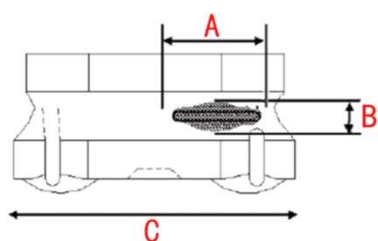


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8.Appearance of the standard

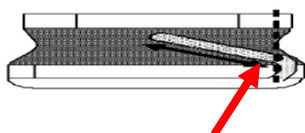
1.Void appearance tolerance limit



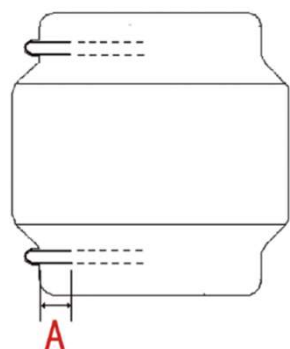
Size of voids occurring to coating resin is specified below.

- 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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CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-2R2NC

PART NO. CKNR6012B Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

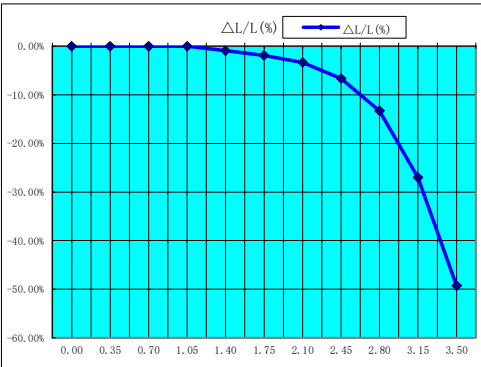
DATE 2025/3/18

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.	2.2 ± 25%	120 Max.	2.60 Max.	ΔL/L≤-30%	2.10 ΔT≤40℃ ℃				上限 6.2 下限 5.8	6.2 5.8	1.2 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	1.95	95.6	1.72	-11.79%	OK				5.96	5.98	1.17
2	1.94	95.2	1.71	-11.86%	OK				5.97	5.96	1.13
3	1.91	94.8	1.69	-11.52%	OK				5.99	5.96	1.12
4	1.97	95.8	1.75	-11.17%	OK				6.03	5.99	1.14
5	1.96	97.8	1.75	-10.71%	OK				5.98	5.95	1.15
6	1.97	94.2	1.74	-11.68%	OK				5.97	5.96	1.17
7	1.98	92.5	1.75	-11.62%	OK				5.98	5.98	1.16
8	1.98	94.2	1.76	-11.11%	OK				5.99	5.97	1.15
9	1.98	94.8	1.77	-10.61%	OK				5.96	5.99	1.16
10	1.99	95.2	1.76	-11.56%	OK				6.00	5.98	1.15
AVG.	1.963	95.01	1.74	-11.36%					5.983	5.972	1.15
R	0.08	5.3	0.08	1.25%					0.07	0.04	0.05

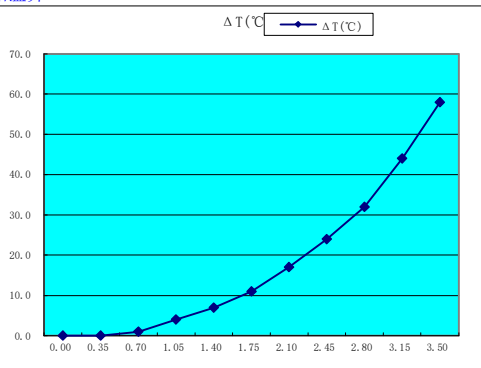
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	2.11	0.00%
1	0.35	2.11	0.00%
1	0.70	2.11	0.00%
1	1.05	2.11	0.00%
1	1.40	2.09	-0.95%
1	1.75	2.07	-1.90%
1	2.10	2.04	-3.32%
1	2.45	1.97	-6.64%
1	2.80	1.83	-13.27%
1	3.15	1.54	-27.01%
1	3.50	1.07	-49.29%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	2.07	0.00%	29.0	0.0
30	0.35	2.08	0.48%	29.0	0.0
30	0.70	2.07	0.00%	30.0	1.0
30	1.05	2.06	-0.48%	33.0	4.0
30	1.40	2.03	-1.93%	36.0	7.0
30	1.75	2.00	-3.38%	40.0	11.0
30	2.10	2.01	-2.90%	46.0	17.0
30	2.45	1.91	-7.73%	53.0	24.0
30	2.80	1.60	-22.71%	61.0	32.0
30	3.15	1.12	-45.89%	73.0	44.0
30	3.50	0.70	-66.18%	87.0	58.0



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CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-3R3MC

PART NO. CKNR6012B Series

DRAWN NO.

TEST R.H. 80~85%

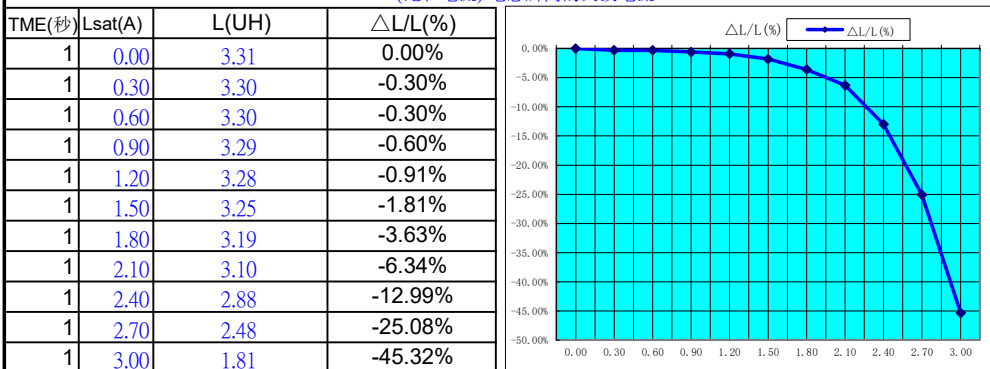
TEST TEMP. 20~25℃

DATE 2025/3/18

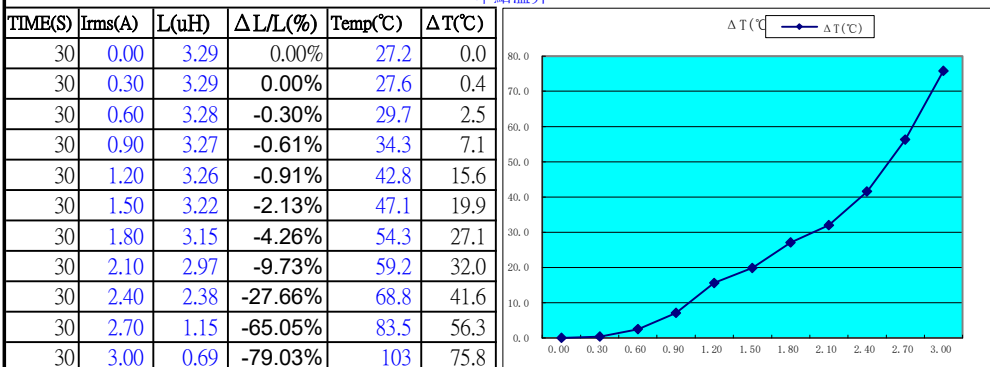
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	3.3 ± 20%	163 Max.	1.90 Max.	△L/L≤-30%	1.90 △T≤40℃ ℃				上限 6.2 下限 5.8	6.2 5.8	1.2 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	3.12	129	2.90	-7.05%	OK				5.96	5.98	1.17
2	3.09	131	2.90	-6.15%	OK				5.97	5.96	1.13
3	3.08	127	2.85	-7.47%	OK				5.99	5.96	1.12
4	3.10	126	2.84	-8.39%	OK				6.03	5.99	1.14
5	3.09	131	2.90	-6.15%	OK				5.98	5.95	1.17
6	3.06	129	2.84	-7.19%	OK				6.04	5.94	1.13
7	2.96	128	2.71	-8.45%	OK				5.95	5.96	1.12
8	2.98	129	2.74	-8.05%	OK				5.99	5.95	1.14
9	3.08	128	2.75	-10.71%	OK				5.96	5.95	1.15
10	2.90	129	2.69	-7.24%	OK				5.97	5.98	1.15
AVG.	3.046	128.7	2.812	-7.68%					5.984	5.962	1.142
R	0.22	5	0.21	4.57%					0.09	0.05	0.05

Isat(飽和電流):電感瞬間の突波電流



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SPECIFICATION FOR APPROVAL

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CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-4R7MC

PART NO. CKNR6012B Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

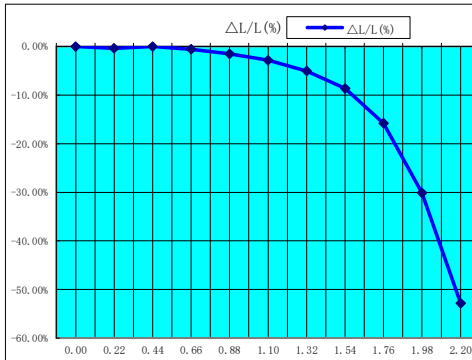
DATE 2025/3/18

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%	220 Max.	1.85 Max.	ΔL/L≤-30%	1.50 ΔT≤40℃ ℃			上限 下限	6.2 5.8	6.2 5.8 MAX
TEST FREQ.	100KHz/1V		100KHz/1V							
1	5.12	171	4.50	-12.11%	OK			5.96	5.98	1.17
2	5.28	175	4.61	-12.69%	OK			5.97	5.96	1.13
3	5.26	173	4.58	-12.93%	OK			5.99	5.97	1.10
4	5.18	174	4.55	-12.16%	OK			5.98	6.03	1.14
5	5.31	174	4.58	-13.75%	OK			6.00	6.00	1.12
6	5.20	173	4.52	-13.08%	OK			5.97	5.99	1.14
7	5.16	173	4.47	-13.37%	OK			6.00	5.98	1.12
8	5.32	173	4.50	-15.41%	OK			5.99	5.97	1.15
9	5.21	174	4.58	-12.09%	OK			5.96	5.99	1.16
10	5.16	177	4.48	-13.18%	OK			6.00	5.98	1.15
AVG.	5.220	173.7	4.537	-13.08%				5.982	5.985	1.138
R	0.2	6	0.14	3.32%				0.04	0.07	0.07

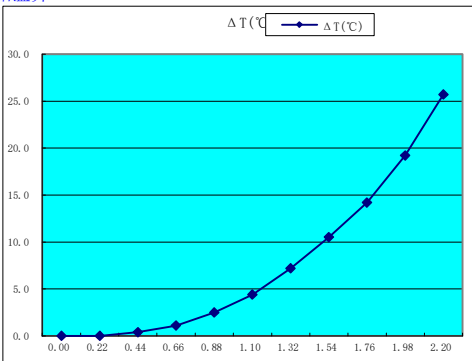
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	5.32	0.00%
1	0.22	5.30	-0.38%
1	0.44	5.32	0.00%
1	0.66	5.29	-0.56%
1	0.88	5.24	-1.50%
1	1.10	5.17	-2.82%
1	1.32	5.05	-5.08%
1	1.54	4.86	-8.65%
1	1.76	4.48	-15.79%
1	1.98	3.72	-30.08%
1	2.20	2.51	-52.82%



單點溫昇

TME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	5.36	0.00%	26.6	0.0
30	0.22	5.35	-0.19%	26.6	0.0
30	0.44	5.35	-0.19%	27.0	0.4
30	0.66	5.33	-0.56%	27.7	1.1
30	0.88	5.32	-0.75%	29.1	2.5
30	1.10	5.25	-2.05%	31.0	4.4
30	1.32	5.14	-4.10%	33.8	7.2
30	1.54	4.87	-9.14%	37.1	10.5
30	1.76	4.33	-19.22%	40.8	14.2
30	1.98	3.10	-42.16%	45.8	19.2
30	2.20	1.85	-65.49%	52.3	25.7



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-6R8MC

PART NO. CKNR6012B Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

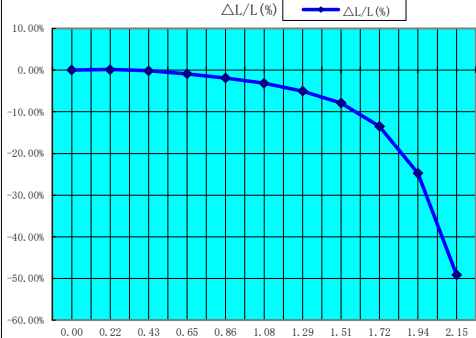
DATE 2025/3/18

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 ± 20%	280 Max.	1.60 Max.	ΔL/L≤-30%	1.20 ΔT≤40℃ ℃				上限 下限	6.2 5.8	6.2 5.8 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	6.40	201	5.62	-12.19%	OK				5.97	6.15	1.17
2	6.52	200	5.72	-12.27%	OK				5.97	6.10	1.14
3	6.50	199	5.71	-12.15%	OK				5.98	6.12	1.12
4	6.45	200	5.69	-11.78%	OK				5.97	6.10	1.12
5	6.36	200	5.62	-11.64%	OK				5.97	6.11	1.11
6	6.44	201	5.60	-13.04%	OK				5.99	6.05	1.15
7	6.50	198	5.68	-12.62%	OK				5.99	6.10	1.17
8	6.48	205	5.70	-12.04%	OK				6.00	6.11	1.16
9	6.32	202	5.62	-11.08%	OK				5.98	6.02	1.14
10	6.35	199	5.60	-11.81%	OK				6.01	6.07	1.13
AVG.	6.432	200.5	5.656	-12.06%					5.983	6.0925	1.1411
R	0.2	7	0.12	1.97%					0.04	0.13	0.06

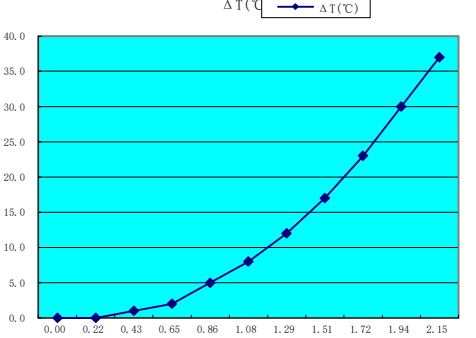
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	6.96	0.00%
1	0.22	6.97	0.14%
1	0.43	6.95	-0.14%
1	0.65	6.90	-0.86%
1	0.86	6.83	-1.87%
1	1.08	6.74	-3.16%
1	1.29	6.61	-5.03%
1	1.51	6.41	-7.90%
1	1.72	6.02	-13.51%
1	1.94	5.24	-24.71%
1	2.15	3.54	-49.14%



單點溫昇

TME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	7.03	0.00%	29.0	0.0
30	0.22	7.03	0.00%	29.0	0.0
30	0.43	6.97	-0.85%	30.0	1.0
30	0.65	6.96	-1.00%	31.0	2.0
30	0.86	6.82	-2.99%	34.0	5.0
30	1.08	6.72	-4.41%	37.0	8.0
30	1.29	6.58	-6.40%	41.0	12.0
30	1.51	6.32	-10.10%	46.0	17.0
30	1.72	5.79	-17.64%	52.0	23.0
30	1.94	4.63	-34.14%	59.0	30.0
30	2.15	2.93	-58.32%	66.0	37.0



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-100MC

PART NO. CKNR6012B Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

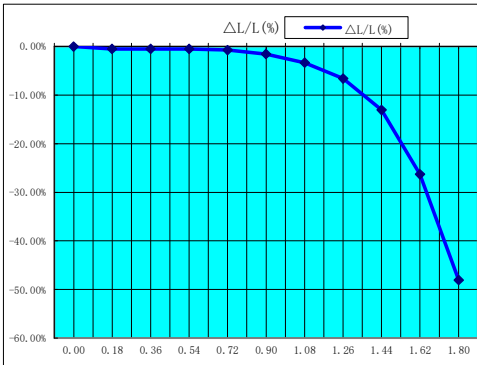
DATE 2025/3/18

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.	10.0	371	1.40	ΔL/L≤-30%	1.10			上限	6.2	6.2	1.2
	± 20%	Max.	Max.		ΔT≤40℃ ℃			下限	5.8	5.8	MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	9.23	285	8.18	-11.38%	OK				6.00	5.97	1.08
2	9.68	286	8.25	-14.77%	OK				5.95	6.00	1.09
3	9.43	284	8.50	-9.86%	OK				6.00	6.02	1.12
4	9.34	286	8.45	-9.53%	OK				5.99	6.02	1.11
5	9.52	289	8.56	-10.08%	OK				5.97	59.40	1.10
6	9.62	287	8.64	-10.19%	OK				5.99	5.97	1.09
7	9.51	285	8.62	-9.36%	OK				6.00	6.02	1.10
8	9.43	282	8.51	-9.76%	OK				5.96	6.05	1.09
9	9.61	289	8.58	-10.72%	OK				6.02	5.98	1.11
10	9.37	287	8.49	-9.39%	OK				5.99	5.99	1.10
AVG.	9.474	286	8.478	-10.50%					5.987	11.342	1.099
R	0.45	7	0.46	5.41%					0.07	53.43	0.04

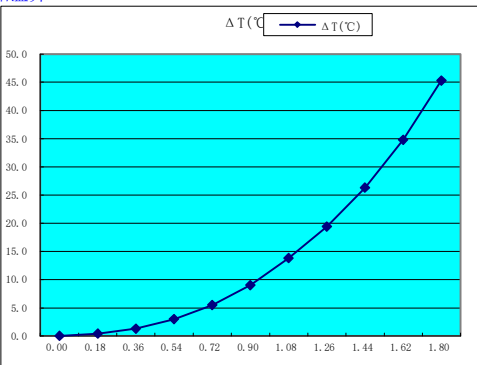
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	9.66	0.00%
1	0.18	9.61	-0.52%
1	0.36	9.61	-0.52%
1	0.54	9.61	-0.52%
1	0.72	9.59	-0.72%
1	0.90	9.51	-1.55%
1	1.08	9.34	-3.31%
1	1.26	9.02	-6.63%
1	1.44	8.40	-13.04%
1	1.62	7.12	-26.29%
1	1.80	5.02	-48.03%



單點溫昇

TME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	9.80	0.00%	27.3	0.0
30	0.18	9.80	0.00%	27.7	0.4
30	0.36	9.80	0.00%	28.6	1.3
30	0.54	9.75	-0.51%	30.3	3.0
30	0.72	9.75	-0.51%	32.8	5.5
30	0.90	9.59	-2.14%	36.3	9.0
30	1.08	9.26	-5.51%	41.1	13.8
30	1.26	8.50	-13.27%	46.7	19.4
30	1.44	6.80	-30.61%	53.6	26.3
30	1.62	4.20	-57.14%	62.1	34.8
30	1.80	3.02	-69.18%	72.6	45.3



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-150MC

PART NO. CKNR6012B Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

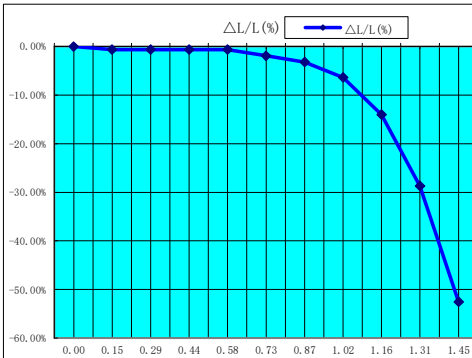
DATE 2025/3/18

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.	15.0 ± 20%	659 Max.	1.00 Max.	ΔL/L≤-30%	0.65 ΔT≤40℃ ℃			上限 6.2	6.2	1.2
								下限 5.8	5.8	MAX
TEST FREQ.	100KHz/1V		100KHz/1V							
1	16.6	548	14.5	-12.65%	OK			6.01	6.03	1.10
2	16.9	553	14.8	-12.43%	OK			5.96	5.94	1.10
3	16.7	545	14.3	-14.37%	OK			6.01	6.02	1.08
4	16.7	548	14.2	-14.97%	OK			5.96	5.95	1.09
5	16.7	547	14.2	-14.97%	OK			5.95	5.98	1.09
6	16.6	550	14.5	-12.65%	OK			6.00	5.99	1.10
7	16.6	548	14.5	-12.65%	OK			5.98	5.98	1.11
8	16.4	544	14.3	-12.80%	OK			5.99	6.00	1.08
9	16.8	546	14.7	-12.50%	OK			5.97	6.01	1.12
10	16.4	543	14.3	-12.80%	OK			5.99	5.99	1.11
AVG.	16.640	547.2	14.43	-13.28%				5.982	5.989	1.098
R	0.5	10	0.6	2.54%				0.06	0.09	0.04

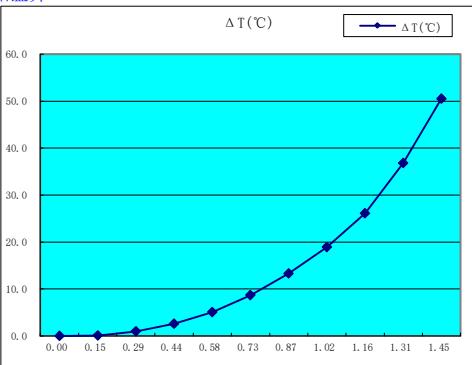
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	15.7	0.00%
1	0.15	15.6	-0.64%
1	0.29	15.6	-0.64%
1	0.44	15.6	-0.64%
1	0.58	15.6	-0.64%
1	0.73	15.4	-1.91%
1	0.87	15.2	-3.18%
1	1.02	14.7	-6.37%
1	1.16	13.5	-14.01%
1	1.31	11.2	-28.66%
1	1.45	7.45	-52.55%



單點溫昇

TME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	15.2	0.00%	29.7	0.0
30	0.15	15.2	0.00%	29.8	0.1
30	0.29	15.2	0.00%	30.7	1.0
30	0.44	15.1	-0.66%	32.3	2.6
30	0.58	15.1	-0.66%	34.8	5.1
30	0.73	14.1	-7.24%	38.4	8.7
30	0.87	14.6	-3.95%	43.0	13.3
30	1.02	13.9	-8.55%	48.6	18.9
30	1.16	12.2	-19.74%	55.8	26.1
30	1.31	8.49	-44.14%	66.5	36.8
30	1.45	4.49	-70.46%	80.2	50.5



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6012B-220MC

PART NO. CKNR6012B 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.	22.0 ± 20%	784 Max.	0.9 Max.	ΔL/L≤-30%	0.60 ΔT≤40℃ ℃				上限 下限	6.2 5.8	6.2 5.8	1.2 MAX
TEST FREQ.	100KHz/1V		100KHz/1V									
1	21.6	627	16.5	-23.6%	OK				6.01	6.03	1.10	
2	21.0	617	16.6	-21.0%	OK				5.96	5.94	1.10	
3	20.9	613	16.5	-21.1%	OK				6.01	6.02	1.08	
4	21.1	608	16.5	-21.8%	OK				5.96	5.95	1.09	
5	21.2	598	16.8	-20.8%	OK				5.95	5.98	1.09	
6	21.3	606	16.5	-22.5%	OK				6.00	5.99	1.10	
7	22.0	613	16.8	-23.6%	OK				5.98	5.98	1.11	
8	21.9	623	16.9	-22.8%	OK				5.99	6.00	1.08	
9	21.6	620	16.9	-21.8%	OK				5.97	6.01	1.12	
10	21.7	627	16.6	-23.5%	OK				5.99	5.99	1.11	
AVG.	21.430	615.2	16.66	-22.24%					5.982	5.989	1.098	
R	1.1	29	0.4	2.88%					0.06	0.09	0.04	

Isat(飽和電流):電感瞬間の突波電流			
TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	24.0	0.00%
1	0.12	23.9	-0.42%
1	0.23	23.8	-0.83%
1	0.35	23.8	-0.83%
1	0.46	23.8	-0.83%
1	0.58	23.6	-1.67%
1	0.69	23.2	-3.33%
1	0.81	22.3	-7.08%
1	0.92	20.6	-14.17%
1	1.04	17.4	-27.50%
1	1.15	12.5	-47.92%

單點溫昇					
TME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	23.8	0.00%	31.5	0.0
30	0.12	23.8	0.00%	31.5	0.0
30	0.23	23.8	0.00%	32.1	0.6
30	0.35	23.7	-0.42%	33.3	1.8
30	0.46	23.6	-0.84%	35.5	4.0
30	0.58	23.4	-1.68%	38.5	7.0
30	0.69	22.9	-3.78%	42.6	11.1
30	0.81	21.9	-7.98%	47.4	15.9
30	0.92	19.5	-18.07%	53.6	22.1
30	1.04	14.8	-37.82%	61.7	30.2
30	1.15	8.86	-62.77%	70.9	39.4