

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	11/Feb/2025	REVISION NO.	A
PART NO.	CKNR6045Z		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	
11/Feb/2025	11/Feb/2025	11/Feb/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



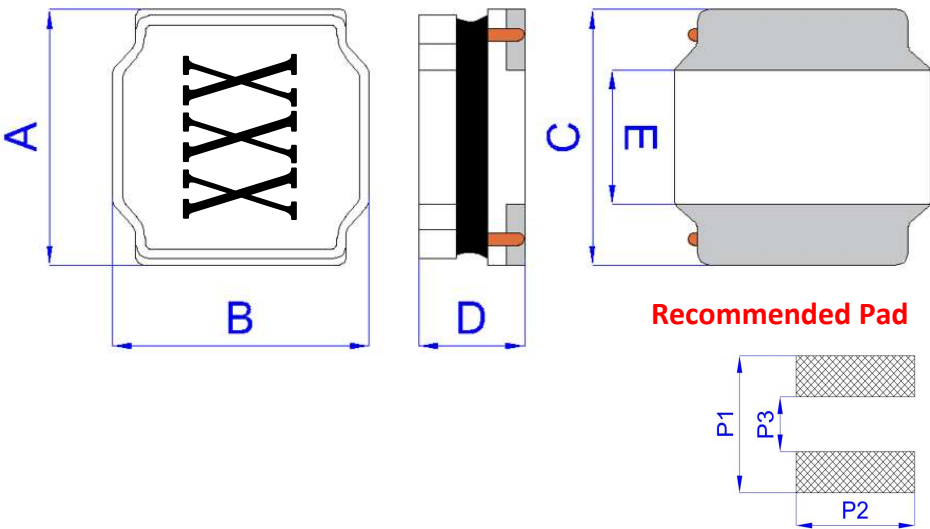
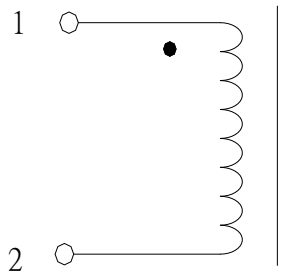
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DESCRIPTION.	SMD POWER INDUCTOR	DRAWN NO.	0
PART NO.	CKNR6045Z	DATE	2025/2/11

1.SHAPE & DIMENSION

UNIT: mm						SCHEMATICS	
							
						MARKING COLOR	
						BLACK	

A	B	C	D	E	P1	P2	P3
6	6	6	4.5	2.3	6.3	5.7	2.8
±0.2	±0.2	±0.2	MAX	±0.3	Ref.	Ref.	Ref.

PART NUMBERING SYSTEM

CK		NR	6045	Z	-	2R2	M	C
1	2	3	4	5	6	7		
1	CHK PRODUCTION (今凱制造)							
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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DESCRIPTION.	SMD POWER INDUCTOR	DRAWN NO.	0
PART NO.	CKNR6045Z	DATE	2025/2/11

2.SERIES SPECIFICATION

◆ CKNR6045Z Series Specification:

Part Number	Inductance	Test Freq	DCR(m Ω)		Saturation Current (A)		Temp. Rise Current (A)	
	(μ H)	(Hz)	Max	Typ	Max	Typ	Max	Typ
CKNR6045Z-R47NC	0.47	100KHz/1V	8	6	15.00	16.50	6.50	6.60
CKNR6045Z-R68NC	0.68		8	6	11.00	12.00	5.70	6.50
CKNR6045Z-R82NC	0.82		1	8	10.35	11.00	5.90	6.50
CKNR6045Z-1R0NC	1.00		14	11	9.85	10.00	5.14	5.60
CKNR6045Z-1R2NC	1.2		13	10	8.35	9.10	5.40	5.90
CKNR6045Z-1R5NC	1.5		16	12	8.80	9.70	4.95	5.40
CKNR6045Z-1R8NC	1.8		16	12	7.60	8.40	4.95	5.40
CKNR6045Z-2R2NC	2.2		18	14	6.75	7.40	4.60	5.00
CKNR6045Z-3R3NC	3.3		27	21	5.90	6.20	3.70	4.00
CKNR6045Z-4R7MC	4.7		34	26	4.97	5.50	3.30	3.60
CKNR6045Z-5R6MC	5.6		38	29	4.15	4.60	3.15	3.40
CKNR6045Z-6R8MC	6.8		4	31	3.90	4.30	3.00	3.30
CKNR6045Z-8R2MC	8.2		56	43	3.90	4.30	2.60	2.80
CKNR6045Z-100MC	10		62	48	3.20	3.50	2.45	2.70
CKNR6045Z-120MC	12		75	58	2.80	3.00	2.20	2.40
CKNR6045Z-150MC	15		88	68	2.50	2.70	2.05	2.20
CKNR6045Z-180MC	18		105	81	2.20	2.40	1.85	2.00
CKNR6045Z-220MC	22		116	89	2.05	2.20	1.80	2.00
CKNR6045Z-270MC	27		133	102	1.90	2.10	1.65	1.80
CKNR6045Z-300MC	30		172	132	1.70	1.80	1.50	1.60
CKNR6045Z-330MC	33		178	137	1.65	1.80	1.45	1.60
CKNR6045Z-470MC	47		260	200	1.40	1.50	1.20	1.30
CKNR6045Z-560MC	56		287	221	1.30	1.40	1.10	1.20
CKNR6045Z-680MC	68		376	289	1.20	1.30	1.00	1.10
CKNR6045Z-101MC	100		563	433	0.95	1.00	0.80	0.88
CKNR6045Z-221MC	220		1140	834	0.70	0.77	0.59	0.65
CKNR6045Z-331MC	330		1651	1270	0.57	0.63	0.57	0.63
CKNR6045Z-471MC	470		2340	1800	0.50	0.56	0.42	0.48
CKNR6045Z-102MC	1000		5850	4474	0.30	0.35	0.20	0.23
CKNR6045Z-332MC	3300		21500	16500	0.17	0.20	0.12	0.15

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PART NO.	CKNR6045Z	DATE	2025/2/11

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℃

◆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 CKNR6045Z series size inductors, absolute maximum voltage: $D \leq 50\text{ V}$.

※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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4.PACKAGING(unit: mm)

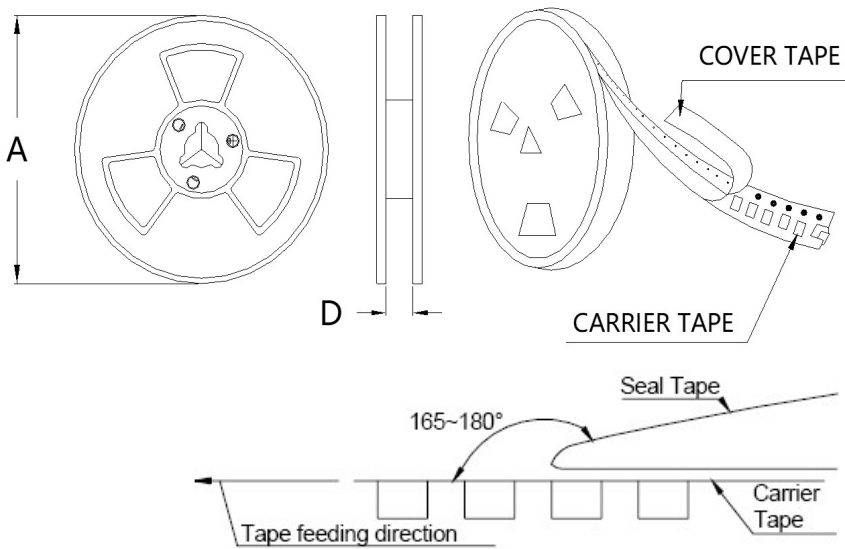
1.包装类型

2.包装尺寸



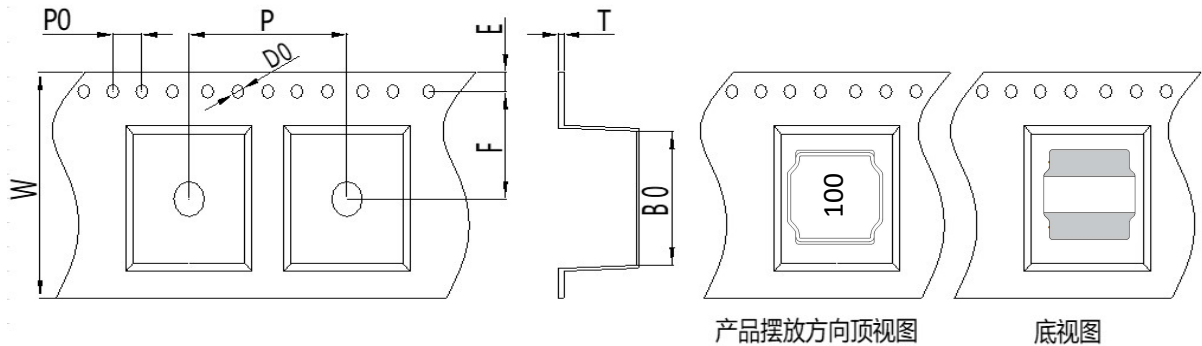
13" 盘

7" 盘



	13" 盘	7" 盘
A	$\Phi 330 \pm 2.0$	$\Phi 178 \pm 2.0$
D	12.4	

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)	12±0.4	6.4±0.1	8.0±0.1	0.3±0.05	1.75±0.1	7.5±0.1	1.5±0.1	4.0±0.1		

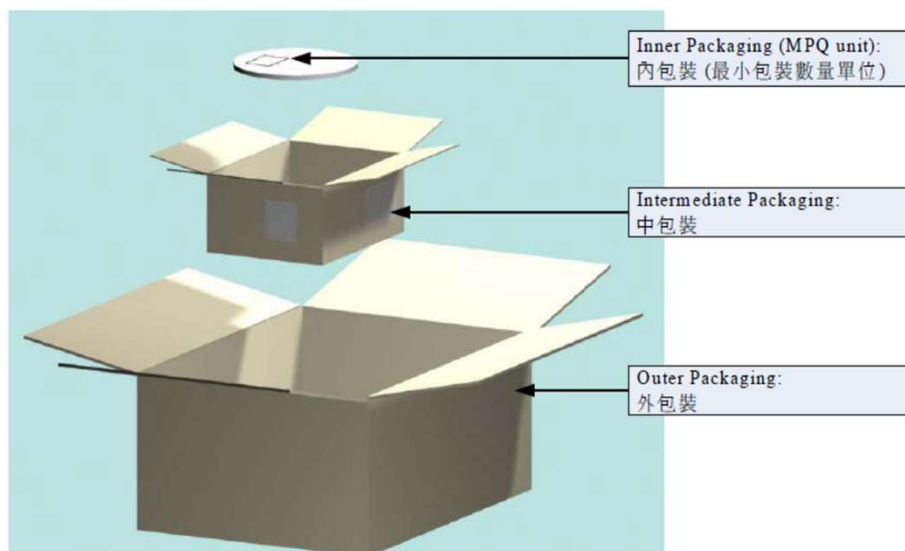
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5. CARTON



1.1 外箱: 36*36*23 cm 一箱裝 2內箱

1.2 內箱: 33.5*33.5*9 cm 一箱裝5卷制品

1.3 外箱材質: A三A

1.4 內箱材質: A=A

1.5 每3卷制品用一只静电袋包裝

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	1500	PCS
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外箱包装数量

每箱	10	卷,共	15000	PCS
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內箱包装数量

每箱	5	卷,共	7500	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

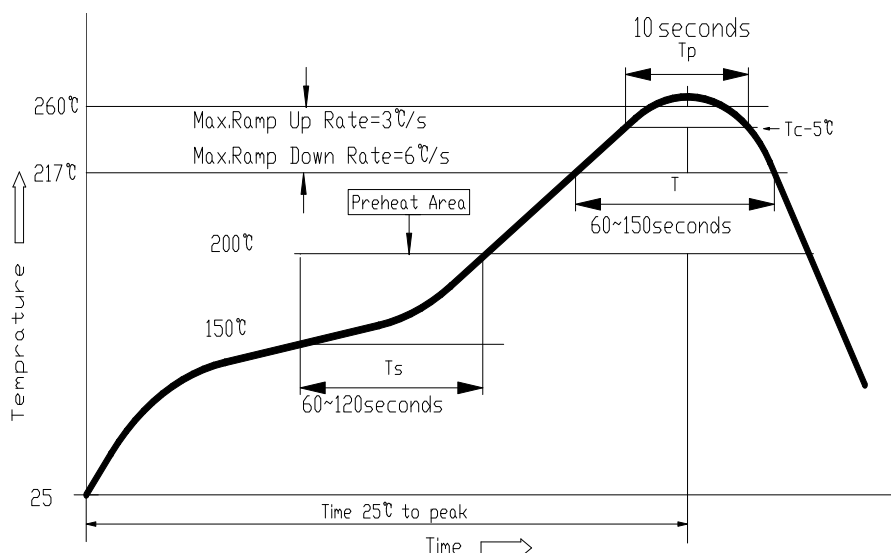
Applicable soldering process to the products is refl.

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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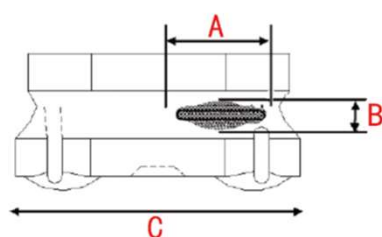


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8.Appearance of the standard

1.Void appearance tolerance limit



Size of voids occurring to coating resin is specified below.

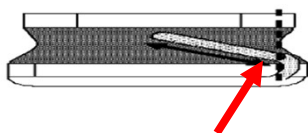
①Width direction(dimension A): Acceptable when $A \leq C/2$

Nonconforming when $B \geq C/2$

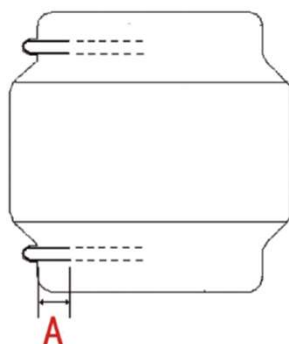
②Length direction(dimension B):Dimension b is not specified

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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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-1R0YC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

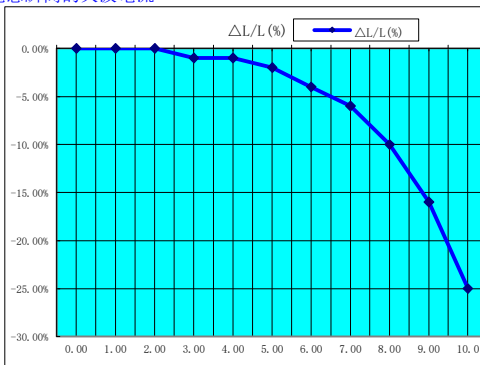
DATE 2019/4/19

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%	14.3 Max.	9.85 Max.	ΔL/L≤-30%	5.20 ΔT≤40℃ ℃			上限 下限	6.2 6.0	6.2 6.0 MAX
TEST FREQ.	100KHz/1V		100KHz/1V							
1	0.96	11.0	0.80	-16.67%	OK				6.00	6.07 4.09
2	0.94	11.2	0.78	-17.02%	OK				6.02	6.07 4.04
3	0.94	10.2	0.78	-17.02%	OK				6.00	6.08 4.08
4	0.94	10.2	0.79	-15.96%	OK				6.00	6.12 4.07
5	0.92	11.0	0.79	-14.13%	OK				6.01	6.03 4.06
6	0.93	11.2	0.79	-15.05%	OK				6.00	6.04 4.05
7	0.97	10.5	0.78	-19.59%	OK				6.10	6.07 4.12
8	0.95	10.8	0.78	-17.89%	OK				6.01	6.08 4.07
9	0.95	10.6	0.77	-18.95%	OK				6.04	6.04 4.14
10	0.93	11.2	0.75	-19.35%	OK				6.03	6.05 4.10
AVG.	0.943	10.79	0.781	-17.16%					6.021	6.065 4.082
R	0.05	1	0.05	5.46%					0.1	0.09 0.1

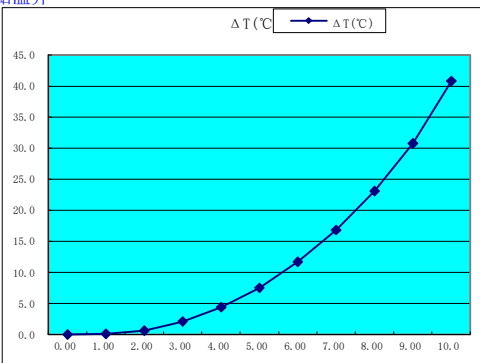
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	1.00	0.00%
1	1.00	1.00	0.00%
1	2.00	1.00	0.00%
1	3.00	0.99	-1.00%
1	4.00	0.99	-1.00%
1	5.00	0.98	-2.00%
1	6.00	0.96	-4.00%
1	7.00	0.94	-6.00%
1	8.00	0.90	-10.00%
1	9.00	0.84	-16.00%
1	10.0	0.75	-25.00%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	0.92	0.00%	30.7	0.0
30	1.00	0.92	0.00%	30.8	0.1
30	2.00	0.92	0.00%	31.3	0.6
30	3.00	0.92	0.00%	32.8	2.1
30	4.00	0.92	0.00%	35.1	4.4
30	5.00	0.91	-1.09%	38.2	7.5
30	6.00	0.90	-2.17%	42.4	11.7
30	7.00	0.89	-3.26%	47.5	16.8
30	8.00	0.86	-6.52%	53.8	23.1
30	9.00	0.80	-13.04%	61.5	30.8
30	10.0	0.67	-27.17%	71.5	40.8



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045LDE-1R5YC

PART NO. CKNR6045LDE Series

DRAWN NO.

TEST R.H. 80~85%

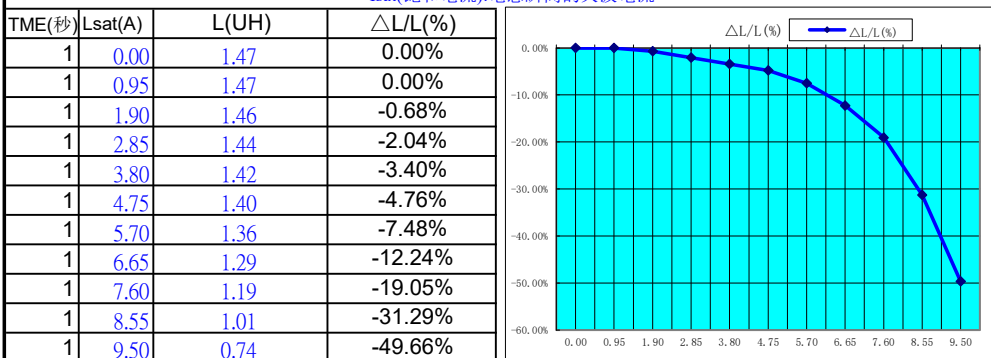
TEST TEMP. 20~25℃

DATE 2019/4/19

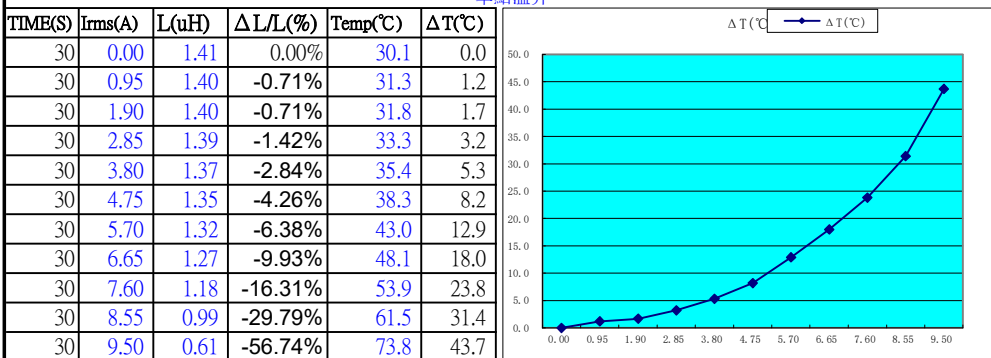
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	1.5 ± 30%	15.6 Max.	7.80 Max.	ΔL/L≤-30%	5.00 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	1.46	11.4	1.19	-18.49%	OK				6.00	6.07	4.09
2	1.50	12.4	1.19	-20.67%	OK				6.02	6.07	4.04
3	1.51	12.8	1.20	-20.53%	OK				6.00	6.08	4.08
4	1.51	12.5	1.19	-21.19%	OK				6.00	6.12	4.07
5	1.50	11.7	1.21	-19.33%	OK				6.01	6.03	4.06
6	1.52	11.5	1.20	-21.05%	OK				6.00	6.04	4.05
7	1.55	11.7	1.25	-19.35%	OK				6.10	6.07	4.12
8	1.50	12.4	1.24	-17.33%	OK				6.01	6.08	4.07
9	1.49	12.9	1.22	-18.12%	OK				6.04	6.04	4.14
10	1.48	12.9	1.21	-18.24%	OK				6.03	6.05	4.10
AVG.	1.502	12.22	1.21	-19.43%					6.021	6.065	4.082
R	0.09	1.5	0.06	3.86%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



單點溫昇



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-2R2NC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

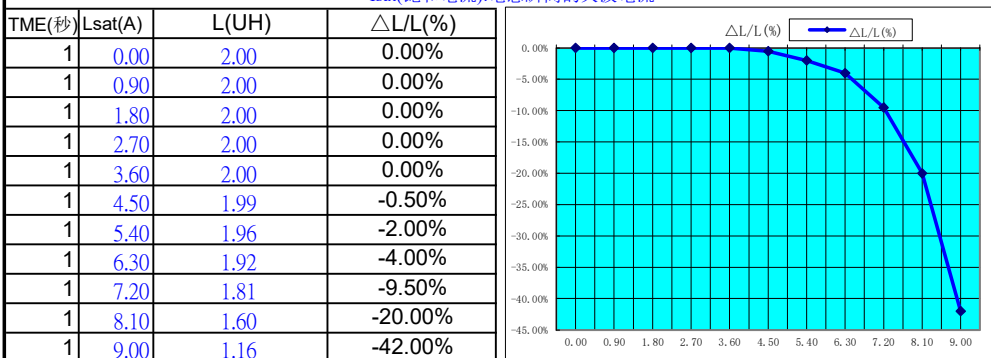
TEST TEMP. 20~25℃

DATE 2019/4/19

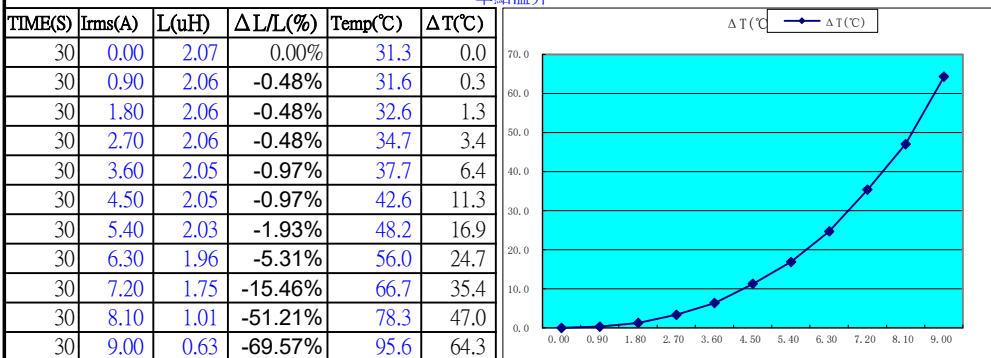
TEST DATA FOR PREPRODUCTION SAMPLE

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%	24.1 Max.	7.00 Max.	ΔL/L≤-30%	4.90 ΔT≤40℃ ℃			上限 下限	6.2 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	2.09	18.9	1.91	-8.61%	OK				6.00	6.07	4.09
2	2.12	17.2	1.84	-13.21%	OK				6.02	6.07	4.04
3	2.12	18.1	1.85	-12.74%	OK				6.00	6.08	4.08
4	2.09	18.4	1.88	-10.05%	OK				6.00	6.12	4.07
5	2.07	18.2	1.84	-11.11%	OK				6.01	6.03	4.06
6	2.13	18.3	1.84	-13.62%	OK				6.00	6.04	4.05
7	2.12	18.1	1.85	-12.74%	OK				6.10	6.07	4.12
8	2.17	18.7	1.86	-14.29%	OK				6.01	6.08	4.07
9	2.10	18.0	1.85	-11.90%	OK				6.04	6.04	4.14
10	2.10	18.6	1.89	-10.00%	OK				6.03	6.05	4.10
AVG.	2.111	18.25	1.861	-11.83%					6.021	6.065	4.082
R	0.1	1.7	0.07	5.67%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



單點溫昇



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-3R0NC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

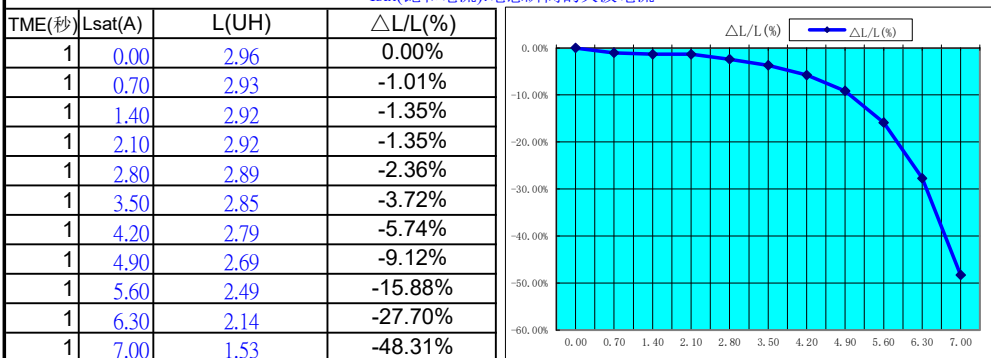
TEST TEMP. 20~25℃

DATE 2019/4/19

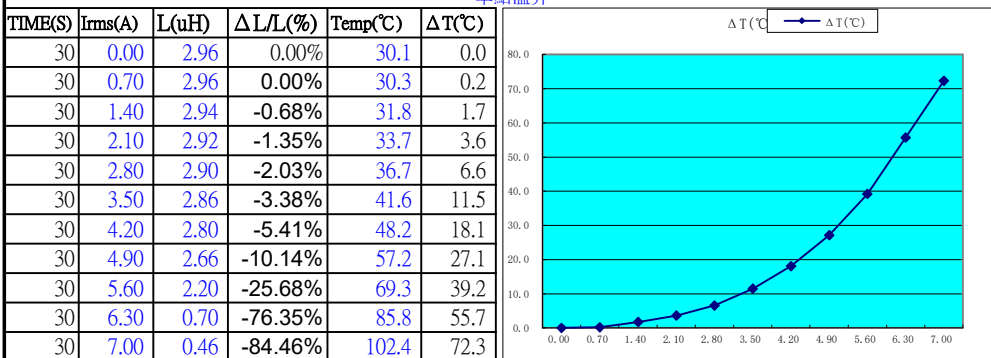
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	3.0 ± 25%	33.6 Max.	5.70 Max.	ΔL/L≤-30%	4.10 ΔT≤40℃ ℃			上限 下限	6.2 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	2.96	21.0	2.49	-15.88%	OK				6.00	6.07	4.09
2	3.04	20.3	2.45	-19.41%	OK				6.02	6.07	4.04
3	3.02	21.3	2.40	-20.53%	OK				6.00	6.08	4.08
4	3.00	21.1	2.45	-18.33%	OK				6.00	6.12	4.07
5	3.00	21.3	2.38	-20.67%	OK				6.01	6.03	4.06
6	3.01	21.6	2.45	-18.60%	OK				6.00	6.04	4.05
7	3.04	21.2	2.49	-18.09%	OK				6.10	6.07	4.12
8	3.02	21.6	2.50	-17.22%	OK				6.01	6.08	4.07
9	2.97	21.0	2.51	-15.49%	OK				6.04	6.04	4.14
10	3.07	21.5	2.54	-17.26%	OK				6.03	6.05	4.10
AVG.	3.013	21.19	2.466	-18.15%					6.021	6.065	4.082
R	0.11	1.3	0.16	5.18%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



單點溫昇



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-3R3MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

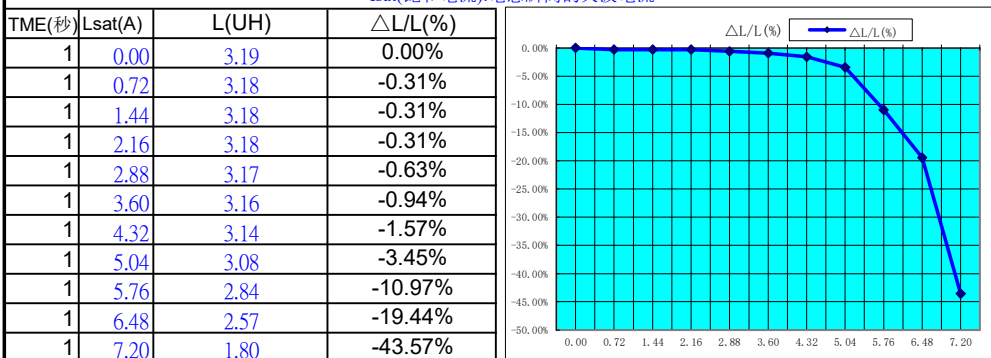
TEST TEMP. 20~25℃

DATE 2019/4/19

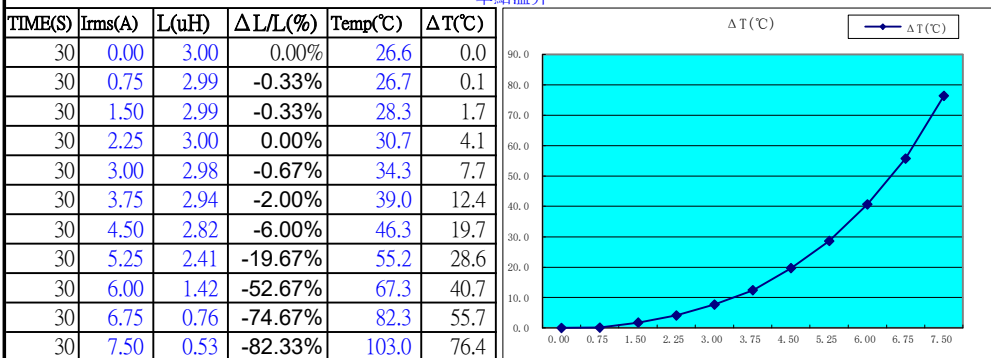
TEST DATA FOR PREPRODUCTION SAMPLE

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%	38 Max.	5.00 Max.	ΔL/L≤-30%	4.00 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	3.22	27.3	2.75	-14.60%	OK				6.00	6.07	4.09
2	3.25	27.4	2.70	-16.92%	OK				6.02	6.07	4.04
3	3.43	27.7	2.68	-21.87%	OK				6.00	6.08	4.08
4	3.28	27.8	2.74	-16.46%	OK				6.00	6.12	4.07
5	3.18	26.8	2.70	-15.09%	OK				6.01	6.03	4.06
6	3.26	27.9	2.75	-15.64%	OK				6.00	6.04	4.05
7	3.18	28.5	2.71	-14.78%	OK				6.10	6.07	4.12
8	3.30	27.9	2.70	-18.18%	OK				6.01	6.08	4.07
9	3.19	27.7	2.69	-15.67%	OK				6.04	6.04	4.14
10	3.26	27.7	2.74	-15.95%	OK				6.03	6.05	4.10
AVG.	3.255	27.67	2.716	-16.52%					6.021	6.065	4.082
R	0.25	1.7	0.07	7.27%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-4R7MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

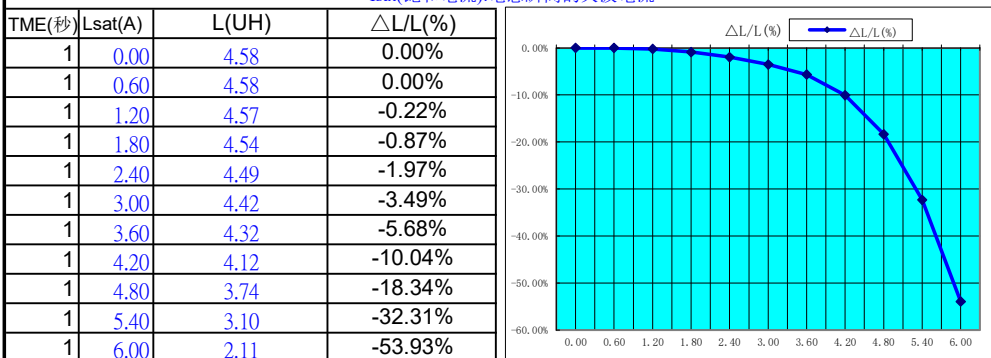
TEST TEMP. 20~25℃

DATE 2019/4/19

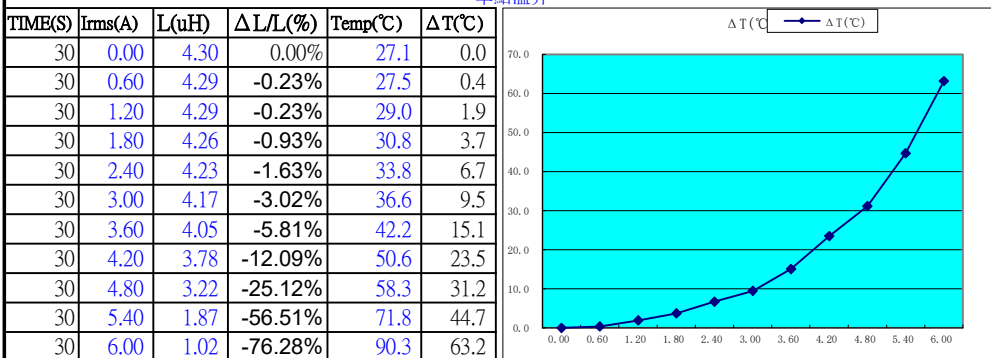
TEST DATA FOR PREPRODUCTION SAMPLE

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%	39 Max.	4.40 Max.	ΔL/L≤-30%	3.30 ΔT≤40℃ ℃			上限 下限	6.2 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	4.47	30.8	3.75	-16.1%	OK				6.00	6.07	4.09
2	4.32	31.9	3.65	-15.5%	OK				6.02	6.07	4.04
3	4.50	30.1	3.78	-16.0%	OK				6.00	6.08	4.08
4	4.58	30.6	3.80	-17.0%	OK				6.00	6.12	4.07
5	4.51	30.5	3.78	-16.2%	OK				6.01	6.03	4.06
6	4.47	31.5	3.78	-15.4%	OK				6.00	6.04	4.05
7	4.40	30.4	3.69	-16.1%	OK				6.10	6.07	4.12
8	4.41	31.9	3.60	-18.4%	OK				6.01	6.08	4.07
9	4.43	30.6	3.59	-19.0%	OK				6.04	6.04	4.14
10	4.46	29.5	3.60	-19.3%	OK				6.03	6.05	4.10
AVG.	4.455	30.78	3.702	-16.90%					6.021	6.065	4.082
R	0.26	2.4	0.21	3.85%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間の突波電流



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-6R8MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

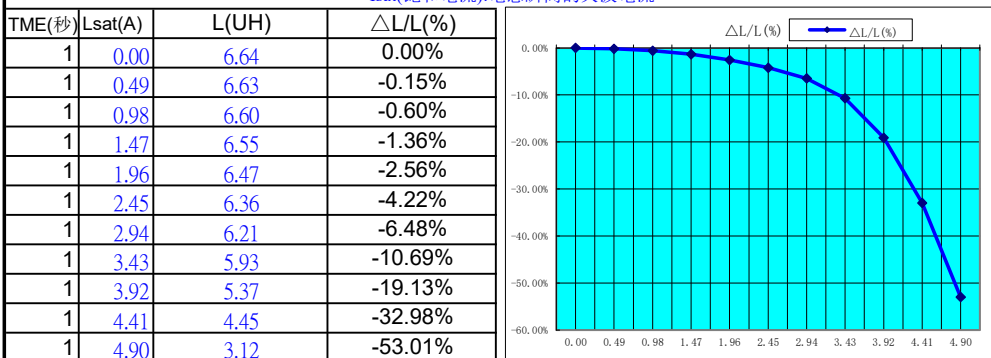
TEST TEMP. 20~25℃

DATE 2019/4/19

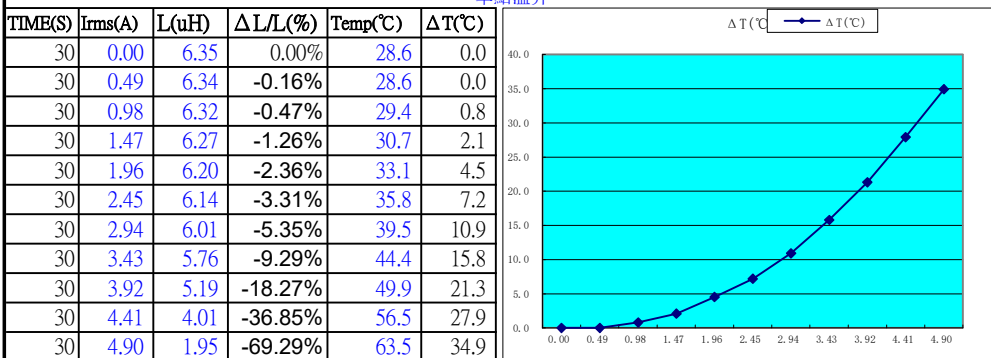
TEST DATA FOR PREPRODUCTION SAMPLE

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%	47 Max.	3.90 Max.	ΔL/L≤-30%	3.00 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	6.64	35.5	5.37	-19.13%	OK				6.00	6.07	4.09
2	6.56	35.8	5.30	-19.21%	OK				6.02	6.07	4.04
3	6.51	35.4	5.29	-18.74%	OK				6.00	6.08	4.08
4	6.44	35.6	5.31	-17.55%	OK				6.00	6.12	4.07
5	6.41	34.7	5.30	-17.32%	OK				6.01	6.03	4.06
6	6.66	34.8	5.29	-20.57%	OK				6.00	6.04	4.05
7	6.51	34.6	5.25	-19.35%	OK				6.10	6.07	4.12
8	6.40	35.7	5.34	-16.56%	OK				6.01	6.08	4.07
9	6.53	35.5	5.31	-18.68%	OK				6.04	6.04	4.14
10	6.57	34.8	5.30	-19.33%	OK				6.03	6.05	4.10
AVG.	6.523	35.24	5.306	-18.64%					6.021	6.065	4.082
R	0.26	1.2	0.12	4.01%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-100MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

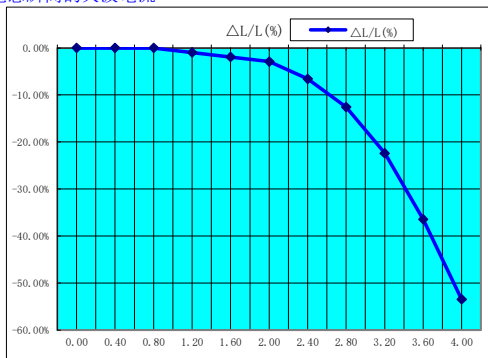
DATE 2019/4/19

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 ± 20%	66 Max.	2.95 Max.	ΔL/L≤-30%	2.50 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	9.79	51.2	8.26	-15.63%	OK				6.00	6.07	4.09
2	9.76	49.6	8.21	-15.88%	OK				6.02	6.07	4.04
3	9.58	50.2	8.23	-14.09%	OK				6.00	6.08	4.08
4	9.77	50.5	8.00	-18.12%	OK				6.00	6.12	4.07
5	10.0	50.3	8.10	-19.00%	OK				6.01	6.03	4.06
6	9.89	49.8	8.24	-16.68%	OK				6.00	6.04	4.05
7	9.93	50.8	8.00	-19.44%	OK				6.10	6.07	4.12
8	9.66	49.5	8.00	-17.18%	OK				6.01	6.08	4.07
9	9.71	49.0	8.00	-17.61%	OK				6.04	6.04	4.14
10	9.52	51.3	7.99	-16.07%	OK				6.03	6.05	4.10
AVG.	9.761	50.22	8.103	-16.97%					6.021	6.065	4.082
R	0.48	2.3	0.27	5.34%					0.1	0.09	0.1

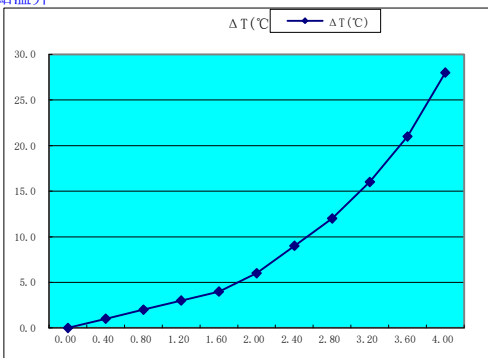
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	10.4	0.00%
1	0.40	10.4	0.00%
1	0.80	10.4	0.00%
1	1.20	10.3	-0.96%
1	1.60	10.2	-1.92%
1	2.00	10.1	-2.88%
1	2.40	9.72	-6.54%
1	2.80	9.09	-12.60%
1	3.20	8.07	-22.40%
1	3.60	6.61	-36.44%
1	4.00	4.84	-53.46%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	10.2	0.00%	30.0	0.0
30	0.40	10.2	0.00%	31.0	1.0
30	0.80	10.2	0.00%	32.0	2.0
30	1.20	10.0	-1.96%	33.0	3.0
30	1.60	9.98	-2.16%	34.0	4.0
30	2.00	9.80	-3.92%	36.0	6.0
30	2.40	9.31	-8.73%	39.0	9.0
30	2.80	8.41	-17.55%	42.0	12.0
30	3.20	6.85	-32.84%	46.0	16.0
30	3.60	4.76	-53.33%	51.0	21.0
30	4.00	3.06	-70.00%	58.0	28.0



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-150MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

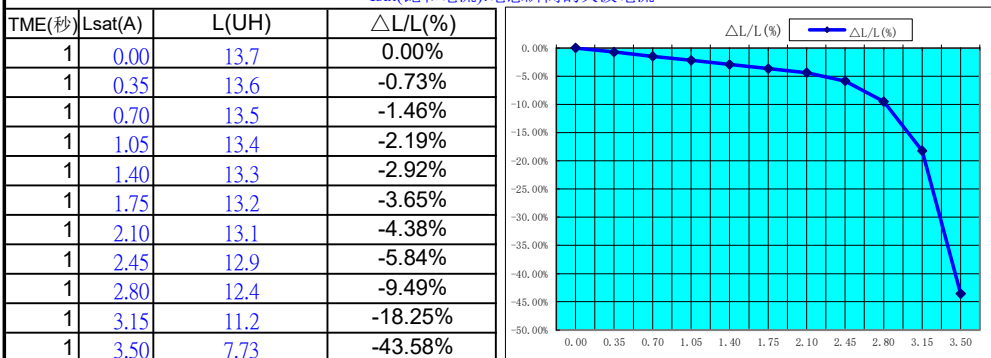
TEST TEMP. 20~25℃

DATE 2019/4/19

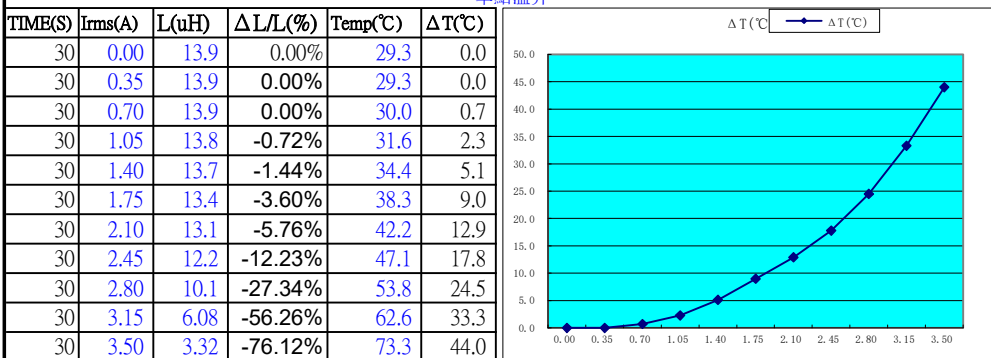
TEST DATA FOR PREPRODUCTION SAMPLE

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%	93.2 Max.	2.50 Max.	ΔL/L≤-30%	2.10 ΔT≤40℃ ℃				上限 下限	6.2 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V									
1	13.9	72.2	11.8	-15.11%	OK					6.00	6.07	4.09
2	14.4	72.9	12.1	-15.97%	OK					6.02	6.07	4.04
3	14.0	72.0	12.2	-12.86%	OK					6.00	6.08	4.08
4	14.3	72.3	12.8	-10.49%	OK					6.00	6.12	4.07
5	14.1	72.4	12.0	-14.89%	OK					6.01	6.03	4.06
6	14.4	72.1	12.7	-11.81%	OK					6.00	6.04	4.05
7	13.9	72.6	12.3	-11.51%	OK					6.10	6.07	4.12
8	14.5	71.1	12.4	-14.48%	OK					6.01	6.08	4.07
9	14.0	72.4	11.8	-15.71%	OK					6.04	6.04	4.14
10	13.8	72.3	11.9	-13.77%	OK					6.03	6.05	4.10
AVG.	14.130	72.23	12.2	-13.66%						6.021	6.065	4.082
R	0.7	1.8	1	5.48%						0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



單點溫昇



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-220MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

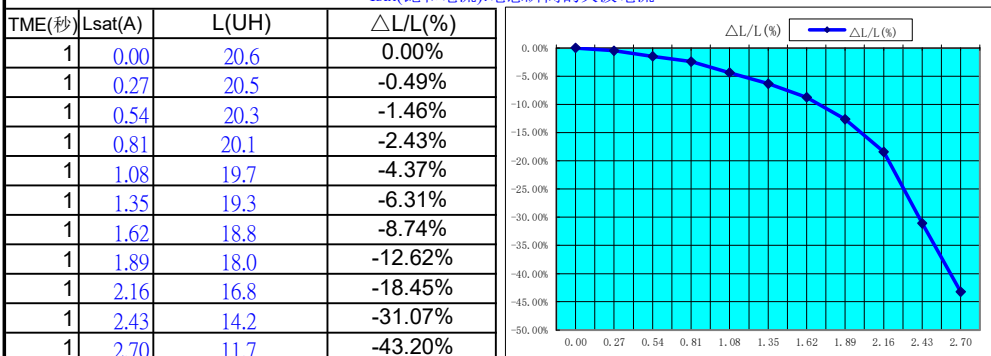
TEST TEMP. 20~25℃

DATE 2019/4/19

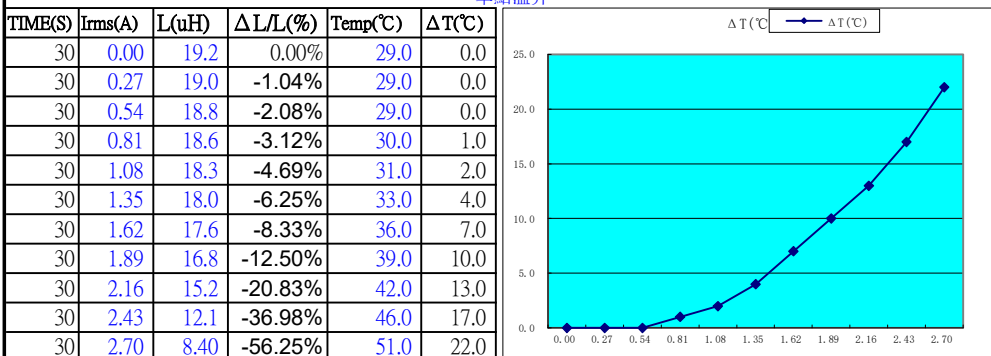
TEST DATA FOR PREPRODUCTION SAMPLE

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%	123 Max.	1.95 Max.	ΔL/L≤-30%	1.80 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	19.8	94.7	16.7	-15.66%	OK				6.00	6.07	4.09
2	20.3	95.2	16.5	-18.72%	OK				6.02	6.07	4.04
3	19.5	95.6	16.0	-17.95%	OK				6.00	6.08	4.08
4	20.5	95.7	16.5	-19.51%	OK				6.00	6.12	4.07
5	19.8	93.2	16.7	-15.66%	OK				6.01	6.03	4.06
6	19.9	95.5	16.5	-17.09%	OK				6.00	6.04	4.05
7	19.7	95.9	16.0	-18.78%	OK				6.10	6.07	4.12
8	19.9	95.1	16.5	-17.09%	OK				6.01	6.08	4.07
9	20.6	96.3	16.5	-19.90%	OK				6.04	6.04	4.14
10	20.5	95.8	16.8	-18.05%	OK				6.03	6.05	4.10
AVG.	20.050	95.3	16.47	-17.84%					6.021	6.065	4.082
R	1.1	3.1	0.8	4.25%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



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SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-330MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

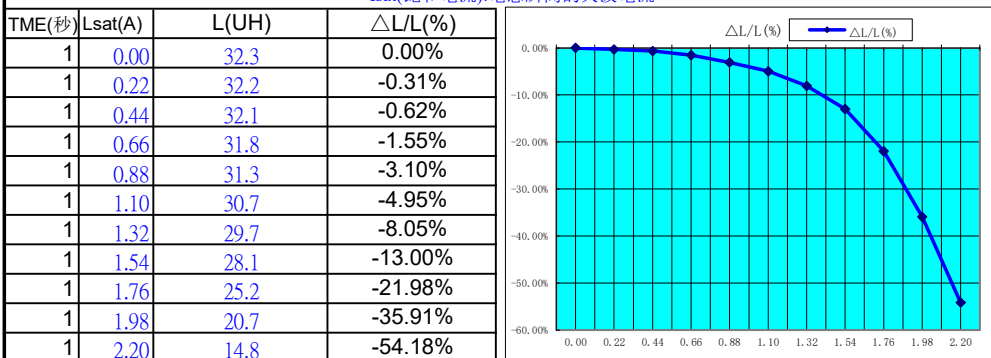
TEST TEMP. 20~25℃

DATE 2019/4/19

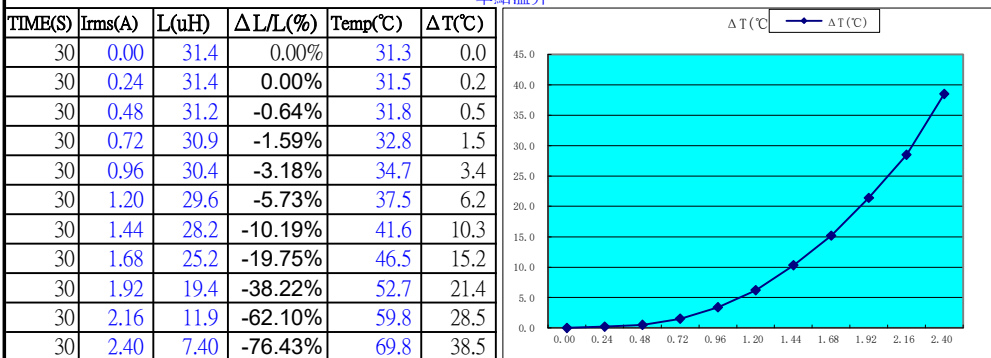
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	33.0 ± 20%	200 Max.	1.65 Max.	ΔL/L≤-30%	1.45 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	31.4	161	26.6	-15.29%	OK				6.00	6.07	4.09
2	33.8	158	26.0	-23.08%	OK				6.02	6.07	4.04
3	31.9	157	26.8	-15.99%	OK				6.00	6.08	4.08
4	32.7	160	26.5	-18.96%	OK				6.00	6.12	4.07
5	31.5	158	26.5	-15.87%	OK				6.01	6.03	4.06
6	34.5	163	26.5	-23.19%	OK				6.00	6.04	4.05
7	32.6	160	26.6	-18.40%	OK				6.10	6.07	4.12
8	30.5	159	26.8	-12.13%	OK				6.01	6.08	4.07
9	31.1	163	24.0	-22.83%	OK				6.04	6.04	4.14
10	31.9	160	25.0	-21.63%	OK				6.03	6.05	4.10
AVG.	32.190	159.9	26.13	-18.74%					6.021	6.065	4.082
R	4	6	2.8	11.06%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



單點溫昇



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-470MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

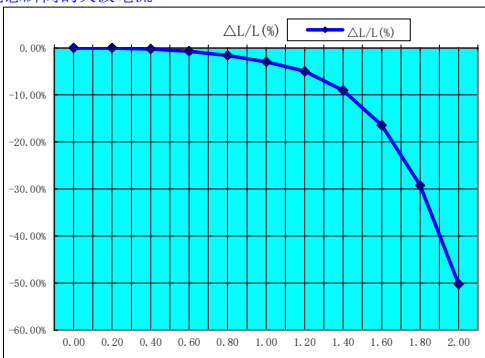
DATE 2019/4/19

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.	47.0 ± 20%	276 Max.	1.40 Max.	ΔL/L≤-30%	1.20 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	45.0	222	41.5	-7.78%	OK				6.00	6.07	4.09
2	44.0	228	40.0	-9.09%	OK				6.02	6.07	4.04
3	43.8	228	39.6	-9.59%	OK				6.00	6.08	4.08
4	43.9	227	39.8	-9.34%	OK				6.00	6.12	4.07
5	43.7	225	40.1	-8.24%	OK				6.01	6.03	4.06
6	44.2	228	39.5	-10.63%	OK				6.00	6.04	4.05
7	43.7	225	39.9	-8.70%	OK				6.10	6.07	4.12
8	44.4	229	40.2	-9.46%	OK				6.01	6.08	4.07
9	44.3	228	40.2	-9.26%	OK				6.04	6.04	4.14
10	43.9	231	40.1	-8.66%	OK				6.03	6.05	4.10
AVG.	44.090	227.1	40.09	-9.07%					6.021	6.065	4.082
R	1.3	9	2	2.86%					0.1	0.09	0.1

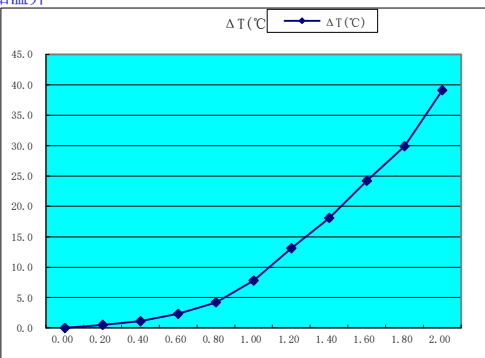
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	44.4	0.00%
1	0.20	44.4	0.00%
1	0.40	44.3	-0.23%
1	0.60	44.1	-0.68%
1	0.80	43.7	-1.58%
1	1.00	43.1	-2.93%
1	1.20	42.2	-4.95%
1	1.40	40.4	-9.01%
1	1.60	37.1	-16.44%
1	1.80	31.4	-29.28%
1	2.00	22.1	-50.23%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	43.1	0.00%	30.2	0.0
30	0.20	42.9	-0.46%	30.7	0.5
30	0.40	42.9	-0.46%	31.3	1.1
30	0.60	42.7	-0.93%	32.5	2.3
30	0.80	42.4	-1.62%	34.4	4.2
30	1.00	41.9	-2.78%	38.0	7.8
30	1.20	40.2	-6.73%	43.3	13.1
30	1.40	39.0	-9.51%	48.3	18.1
30	1.60	34.4	-20.19%	54.4	24.2
30	1.80	25.2	-41.53%	60.1	29.9
30	2.00	13.3	-69.14%	69.3	39.1



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-560MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

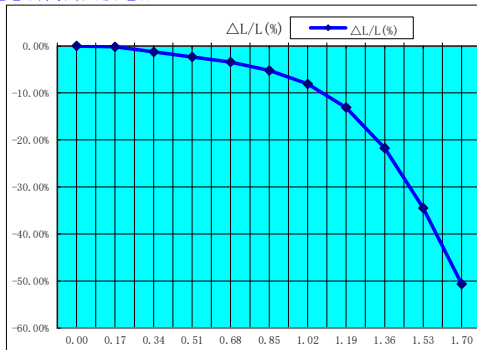
DATE 2019/4/19

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.	56.0 ± 20%	287.3 Max.	1.3 Max.	ΔL/L≤-30%	1.10 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	58.6	231	49.3	-15.87%	OK				6.00	6.07	4.09
2	56.2	233	48.2	-14.23%	OK				6.02	6.07	4.04
3	59.2	233	48.5	-18.07%	OK				6.00	6.08	4.08
4	57.8	232	48.0	-16.96%	OK				6.00	6.12	4.07
5	58.4	232	47.6	-18.49%	OK				6.01	6.03	4.06
6	59.0	230	48.5	-17.80%	OK				6.00	6.04	4.05
7	58.0	233	48.2	-16.90%	OK				6.10	6.07	4.12
8	60.5	233	49.0	-19.01%	OK				6.01	6.08	4.07
9	58.8	231	48.2	-18.03%	OK				6.04	6.04	4.14
10	58.5	232	46.9	-19.83%	OK				6.03	6.05	4.10
AVG.	58.500	232	48.24	-17.52%					6.021	6.065	4.082
R	4.3	3	2.4	5.59%					0.1	0.09	0.1

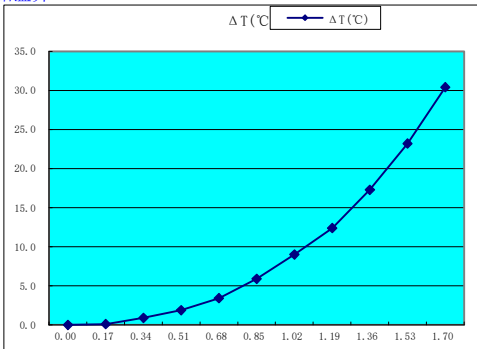
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	55.7	0.00%
1	0.17	55.6	-0.18%
1	0.34	55.0	-1.26%
1	0.51	54.4	-2.33%
1	0.68	53.8	-3.41%
1	0.85	52.8	-5.21%
1	1.02	51.2	-8.08%
1	1.19	48.4	-13.11%
1	1.36	43.6	-21.72%
1	1.53	36.5	-34.47%
1	1.70	27.5	-50.63%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	53.8	0.00%	26.6	0.0
30	0.17	53.8	0.00%	26.7	0.1
30	0.34	53.3	-0.93%	27.5	0.9
30	0.51	52.8	-1.86%	28.5	1.9
30	0.68	52.3	-2.79%	30.0	3.4
30	0.85	51.4	-4.46%	32.5	5.9
30	1.02	50.0	-7.06%	35.6	9.0
30	1.19	47.2	-12.27%	39.0	12.4
30	1.36	41.6	-22.68%	43.9	17.3
30	1.53	32.3	-39.96%	49.8	23.2
30	1.70	20.4	-62.08%	57.0	30.4



承 認 書

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-680MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

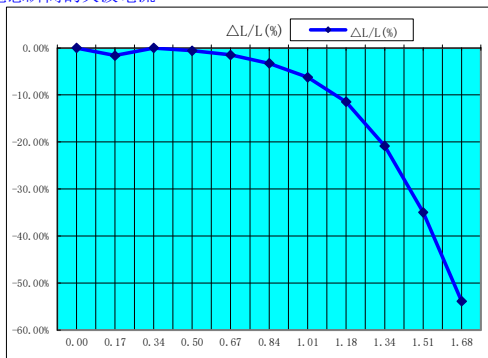
DATE 2019/4/19

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.	68.0 ± 20%	429 Max.	1.10 Max.	ΔL/L≤-30%	1.00 ΔT≤40℃ ℃			上限 下限	6.2 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	70.1	335	57.6	-17.83%	OK				6.00	6.07	4.09
2	71.3	323	58.0	-18.65%	OK				6.02	6.07	4.04
3	70.3	327	57.0	-18.92%	OK				6.00	6.08	4.08
4	69.6	324	57.2	-17.82%	OK				6.00	6.12	4.07
5	69.0	333	57.0	-17.39%	OK				6.01	6.03	4.06
6	70.9	320	57.8	-18.48%	OK				6.00	6.04	4.05
7	68.7	329	57.1	-16.89%	OK				6.10	6.07	4.12
8	71.3	322	58.9	-17.39%	OK				6.01	6.08	4.07
9	69.4	326	57.2	-17.58%	OK				6.04	6.04	4.14
10	69.9	329	58.0	-17.02%	OK				6.03	6.05	4.10
AVG.	70.050	326.8	57.58	-17.80%					6.021	6.065	4.082
R	2.6	15	1.9	2.03%					0.1	0.09	0.1

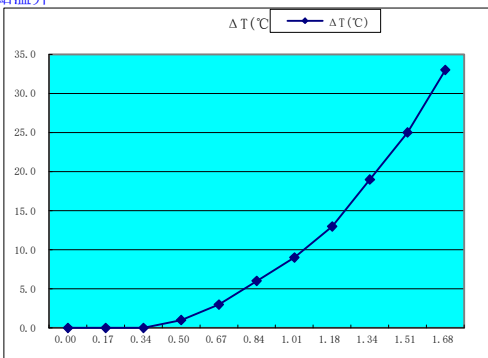
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Isat(A)	L(UH)	ΔL/L(%)
1	0.00	67.2	0.00%
1	0.17	66.1	-1.64%
1	0.34	67.2	0.00%
1	0.50	66.8	-0.60%
1	0.67	66.2	-1.49%
1	0.84	65.0	-3.27%
1	1.01	63.0	-6.25%
1	1.18	59.5	-11.46%
1	1.34	53.2	-20.83%
1	1.51	43.7	-34.97%
1	1.68	31.0	-53.87%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	65.5	0.00%	25.0	0.0
30	0.17	64.3	-1.83%	25.0	0.0
30	0.34	65.7	0.31%	25.0	0.0
30	0.50	65.3	-0.31%	26.0	1.0
30	0.67	64.6	-1.37%	28.0	3.0
30	0.84	63.3	-3.36%	31.0	6.0
30	1.01	60.7	-7.33%	34.0	9.0
30	1.18	56.0	-14.50%	38.0	13.0
30	1.34	46.8	-28.55%	44.0	19.0
30	1.51	31.4	-52.06%	50.0	25.0
30	1.68	17.2	-73.74%	58.0	33.0



承 認 書

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-101MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

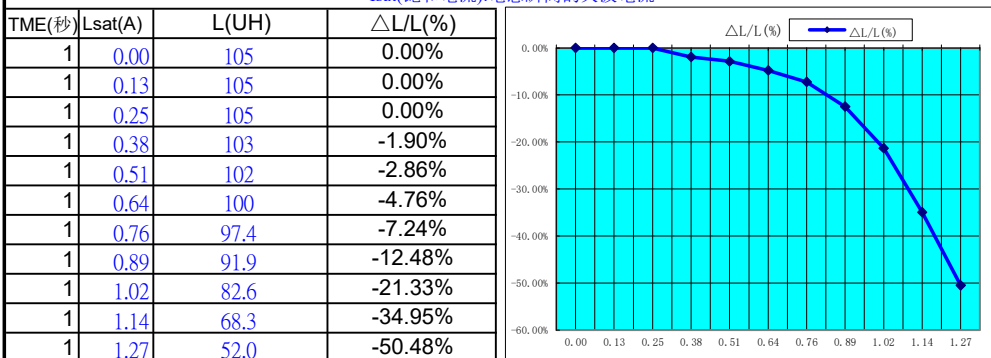
TEST TEMP. 20~25℃

DATE 2019/4/19

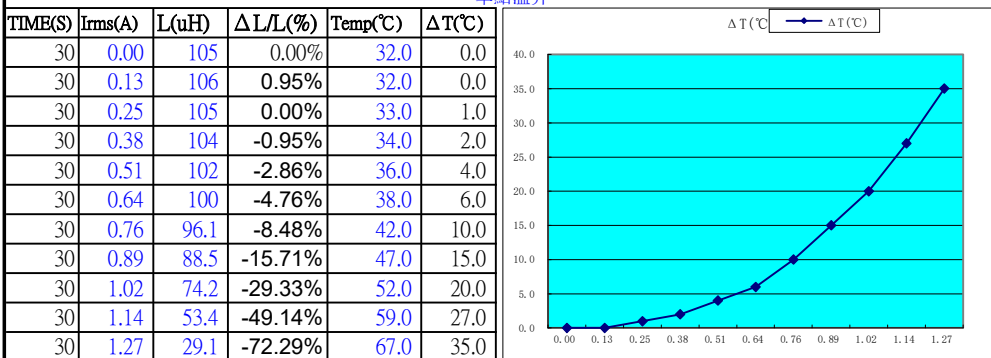
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	100.0 ± 20%	650 Max.	0.95 Max.	△L/L≤-30%	0.80 △T≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	95.4	470	84.0	-11.95%	OK				6.00	6.07	4.09
2	98.2	476	83.2	-15.27%	OK				6.02	6.07	4.04
3	97.8	477	83.0	-15.13%	OK				6.00	6.08	4.08
4	98.0	476	82.0	-16.33%	OK				6.00	6.12	4.07
5	96.8	471	83.2	-14.05%	OK				6.01	6.03	4.06
6	96.9	468	82.0	-15.38%	OK				6.00	6.04	4.05
7	97.1	469	81.2	-16.37%	OK				6.10	6.07	4.12
8	96.1	476	85.0	-11.55%	OK				6.01	6.08	4.07
9	97.8	480	83.0	-15.13%	OK				6.04	6.04	4.14
10	96.9	476	82.5	-14.86%	OK				6.03	6.05	4.10
AVG.	97.100	473.9	82.91	-14.60%					6.021	6.065	4.082
R	2.8	12	3.8	4.82%					0.1	0.09	0.1

Isat(飽和電流):電感瞬間的突波電流



單點溫昇



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-221MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

DATE 2019/4/19

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.	220.0 ± 20%	1140 Max.	0.70 Max.	△L/L≤-30%	0.60 △T≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	217	928	174	-19.82%	OK				6.00	6.07	4.09
2	205	945	171	-16.59%	OK				6.02	6.07	4.04
3	204	928	174	-14.71%	OK				6.00	6.08	4.08
4	206	934	175	-15.05%	OK				6.00	6.12	4.07
5	206	922	176	-14.56%	OK				6.01	6.03	4.06
6	210	922	169	-19.52%	OK				6.00	6.04	4.05
7	210	931	174	-17.14%	OK				6.10	6.07	4.12
8	207	918	175	-15.46%	OK				6.01	6.08	4.07
9	206	934	174	-15.53%	OK				6.04	6.04	4.14
10	206	927	172	-16.50%	OK				6.03	6.05	4.10
AVG.	207.700	928.9	173.4	-16.49%					6.021	6.065	4.082
R	13	27	7	5.25%					0.1	0.09	0.1

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	212	0.00%
1	0.09	210	-0.94%
1	0.18	209	-1.42%
1	0.27	208	-1.89%
1	0.36	206	-2.83%
1	0.45	202	-4.72%
1	0.54	196	-7.55%
1	0.63	185	-12.74%
1	0.72	166	-21.70%
1	0.81	138	-34.91%
1	0.90	104	-50.94%

單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	205	0.00%	17.2	0.0
30	0.09	203	-0.98%	17.5	0.3
30	0.18	203	-0.98%	18.2	1.0
30	0.27	201	-1.95%	19.7	2.5
30	0.36	200	-2.44%	22.0	4.8
30	0.45	198	-3.41%	25.3	8.1
30	0.54	192	-6.34%	29.8	12.6
30	0.63	179	-12.68%	34.6	17.4
30	0.72	151	-26.34%	41.3	24.1
30	0.81	106	-48.29%	49.4	32.2
30	0.90	64.2	-68.68%	58.7	41.5

承 認 書

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-331MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

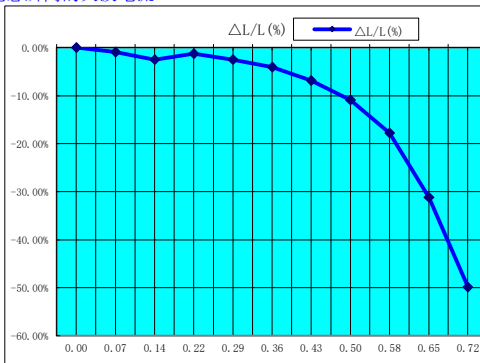
DATE 2019/4/19

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.	330.0 ± 20%	1930 Max.	0.57 Max.	ΔL/L≤-30%	0.57 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	329	1.53	269	-18.24%	OK				6.00	6.07	4.09
2	330	1.51	265	-19.70%	OK				6.02	6.07	4.04
3	333	1.52	265	-20.42%	OK				6.00	6.08	4.08
4	329	1.53	268	-18.54%	OK				6.00	6.12	4.07
5	325	1.54	265	-18.46%	OK				6.01	6.03	4.06
6	326	1.53	265	-18.71%	OK				6.00	6.04	4.05
7	331	1.53	263	-20.54%	OK				6.10	6.07	4.12
8	325	1.51	269	-17.23%	OK				6.01	6.08	4.07
9	336	1.55	265	-21.13%	OK				6.04	6.04	4.14
10	325	1.52	258	-20.62%	OK				6.03	6.05	4.10
AVG.	328.900	1.527	265.2	-19.36%					6.021	6.065	4.082
R	11	0.04	11	3.90%					0.1	0.09	0.1

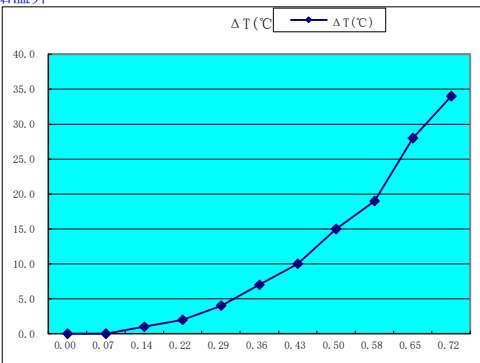
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	321	0.00%
1	0.07	318	-0.93%
1	0.14	313	-2.49%
1	0.22	317	-1.25%
1	0.29	313	-2.49%
1	0.36	308	-4.05%
1	0.43	299	-6.85%
1	0.50	286	-10.90%
1	0.58	264	-17.76%
1	0.65	221	-31.15%
1	0.72	161	-49.84%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	316	0.00%	30.0	0.0
30	0.07	313	-0.95%	30.0	0.0
30	0.14	309	-2.22%	31.0	1.0
30	0.22	313	-0.95%	32.0	2.0
30	0.29	309	-2.22%	34.0	4.0
30	0.36	304	-3.80%	37.0	7.0
30	0.43	295	-6.65%	40.0	10.0
30	0.50	277	-12.34%	45.0	15.0
30	0.58	242	-23.42%	49.0	19.0
30	0.65	179	-43.35%	58.0	28.0
30	0.72	99.5	-68.51%	64.0	34.0



承 認 书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6045Z-471MC

PART NO. CKNR6045Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

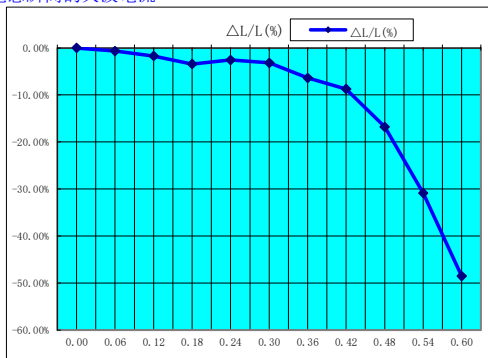
DATE 2019/4/19

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.	470.0 ± 20%	3690 Max.	0.40 Max.	ΔL/L≤-30%	0.35 ΔT≤40℃ ℃				上限 6.2 下限 6.0	6.2 6.0	4.5 MAX
TEST FREQ.	100KHz/1V		100KHz/1V								
1	477	3.02	403	-15.51%	OK				6.00	6.07	4.09
2	484	2.98	401	-17.15%	OK				6.02	6.07	4.04
3	479	3.01	402	-16.08%	OK				6.00	6.08	4.08
4	473	2.98	405	-14.38%	OK				6.00	6.12	4.07
5	472	3.09	405	-14.19%	OK				6.01	6.03	4.06
6	484	3.02	404	-16.53%	OK				6.00	6.04	4.05
7	488	3.03	410	-15.98%	OK				6.10	6.07	4.12
8	479	2.97	403	-15.87%	OK				6.01	6.08	4.07
9	474	3.00	401	-15.40%	OK				6.04	6.04	4.14
10	476	2.97	399	-16.18%	OK				6.03	6.05	4.10
AVG.	478.600	3.007	403.3	-15.73%					6.021	6.065	4.082
R	16	0.12	11	2.95%					0.1	0.09	0.1

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	470	0.00%
1	0.06	467	-0.64%
1	0.12	462	-1.70%
1	0.18	454	-3.40%
1	0.24	458	-2.55%
1	0.30	455	-3.19%
1	0.36	440	-6.38%
1	0.42	429	-8.72%
1	0.48	391	-16.81%
1	0.54	325	-30.85%
1	0.60	242	-48.51%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	456	0.00%	30.0	0.0
30	0.06	450	-1.32%	31.0	1.0
30	0.12	446	-2.19%	32.0	2.0
30	0.18	437	-4.17%	34.0	4.0
30	0.24	437	-4.17%	36.0	6.0
30	0.30	438	-3.95%	41.0	11.0
30	0.36	424	-7.02%	46.0	16.0
30	0.42	395	-13.38%	53.0	23.0
30	0.48	337	-26.10%	62.0	32.0
30	0.54	229	-49.78%	73.0	43.0
30	0.60	132	-71.05%	87.0	57.0

