

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	18/Mar/2025	REVISION NO.	A
PART NO.	CKNR6028Z Series		
DRAWN NO.			
DESCRIPTION.	SMD POWER INDUCTOR		
Customer's Signature			
Approved by	Checked by	Drawn by	
黄大燕	黄大燕	梁智坤	
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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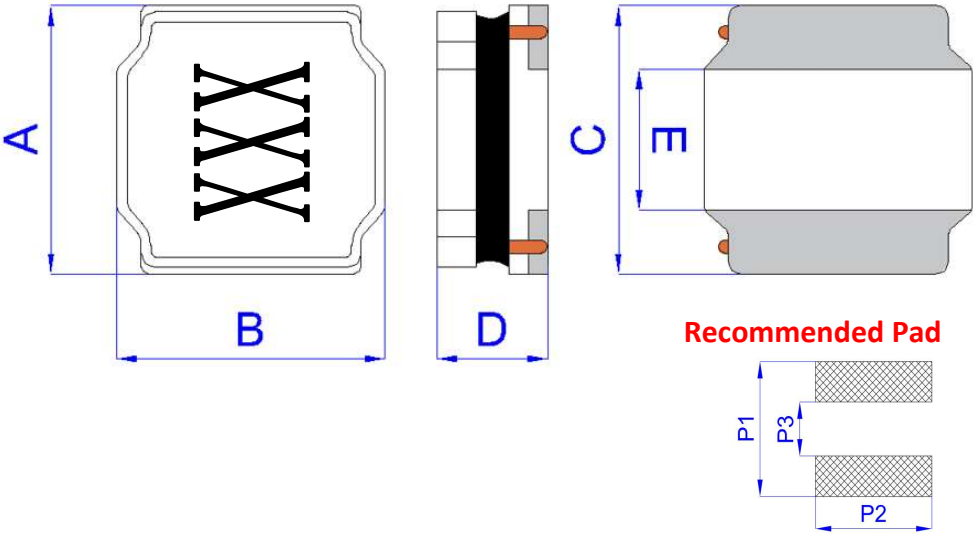
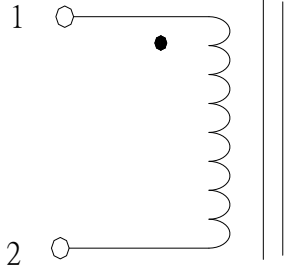


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DESCRIPTION.	SMD POWER INDUCTOR	DRAWN NO.	0
PART NO.	CKNR6028Z Series	DATE	2025/3/18

1.SHAPE & DIMENSION

UNIT: mm						SCHEMATICS	
							
						MARKING COLOR	
						Black	
A	B	C	D	E	P1	P2	P3
6	6	6	2.8	2.3	6.3	5.7	2.8
±0.2	±0.2	±0.2	MAX	Ref.	Ref.	Ref.	Ref.

CK NR 6028 Z - 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 INDUCTANCE (电感量)
5 TOLERANCE (公差) M:±20% N:±25% Y:±30%
6 PACKAGING (包装方式) C - 编带盘装 B - 盒装
7 WIRE MAERTIAL TYPE (线材类型)

APPROVED BY	CHECKED BY	DRAFT BY
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2.SERIES SPECIFICATION

◆CKNR6028Z Series Specification:

Part Number	Inductance	Test Freq	DCR(mΩ)		Saturation Current (A)		Temp. Rise Current (A)	
	(μH)	(Hz)	Max	Typ	Max	Typ	Max	Typ
CKNR6028Z-1R0YC	1.0	100KHz/1V	20	13	7.0	7.3	5.6	7.0
CKNR6028Z-1R5YC	1.5		25	16	6.0	6.6	4.6	5.0
CKNR6028Z-2R2NC	2.2		26	21	4.5	5.1	5.3	5.8
CKNR6028Z-3R3MC	3.3		33	28	4.0	4.3	4.5	5.0
CKNR6028Z-4R7MC	4.7		39	33	3.2	3.5	3.9	4.3
CKNR6028Z-6R8MC	6.8		61	46	2.5	2.7	3.6	3.9
CKNR6028Z-100MC	10		94	70	2.2	2.5	2.8	3.0
CKNR6028Z-150MC	15		140	106	1.8	2.0	2.2	2.5
CKNR6028Z-220MC	22		190	145	1.6	1.8	2.0	2.3
CKNR6028Z-270MC	27		202	166	1.4	1.6	1.8	2.0
CKNR6028Z-330MC	33		270	201	1.4	1.5	1.8	2.0
CKNR6028Z-470MC	47		350	265	1.1	1.2	1.2	1.4
CKNR6028Z-680MC	68		480	398	0.8	0.9	1.1	1.3
CKNR6028Z-101MC	100		744	620	0.7	0.8	0.9	1.0

◆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 CKNR6028Z Series size inductors, absolute maximum voltage: I 50 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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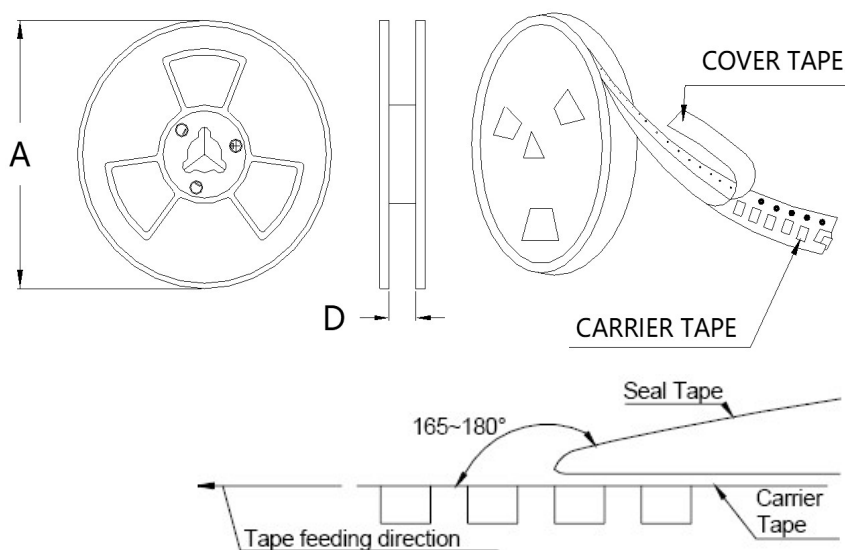
4.PACKAGING(unit: mm)

1.包装类型

2.包装尺寸

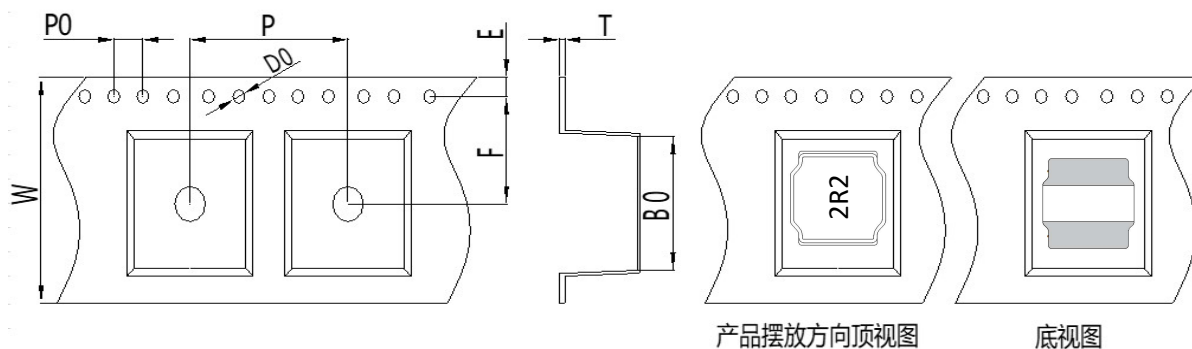
13" 盘

7" 盘



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

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)	16±0.3	6.3±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		

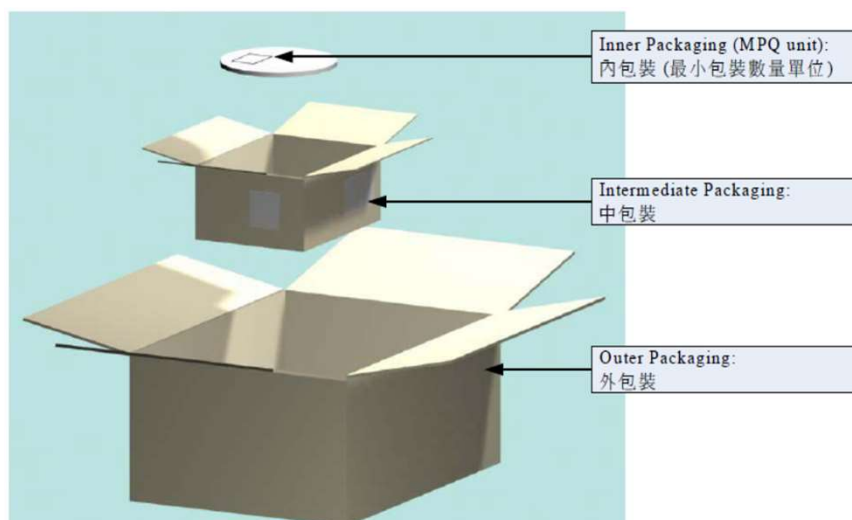
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5. CARTON



- 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4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
(如: 客户有特殊要求时, 则依客户要求实施.)

备注: 如果捆包数量小于内箱捆包数量时就用内箱包装

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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内箱包装数量

每箱	5	卷,共	10000	PCS
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外箱包装数量

每箱	10	卷,共	20000	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

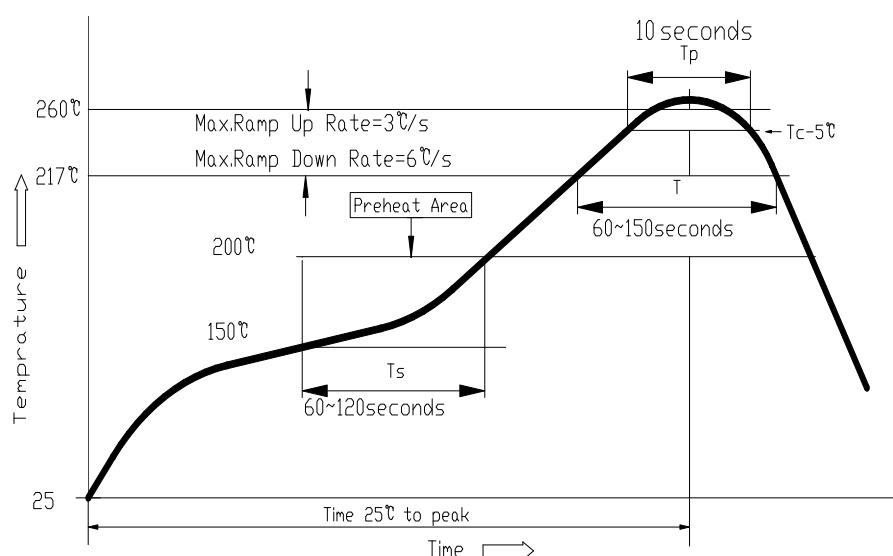
Applicable soldering process to the products is refl.

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℃;
- ② Soldering iron power output:≤30W;
- ③ Diameter of soldering iron end:≤1.0mm;
- ④Soldering time:<3 s



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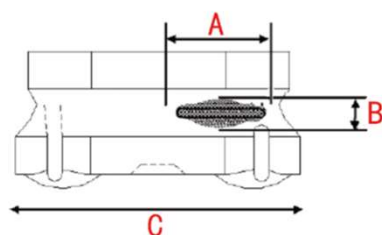


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8.Appearance of the standard

1.Void appearance tolerance limit



Size of voids occurring to coating resin is specified below.

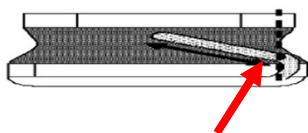
①Width direction(dimension A): Acceptable when $A \leq C/2$

Nonconforming when $B \geq C/2$

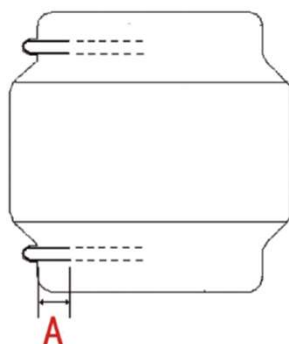
②Length direction(dimension B):Dimension b is not specified

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'S P/N

JINKAI P/N: CKNR6028Z-1R0YC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25℃

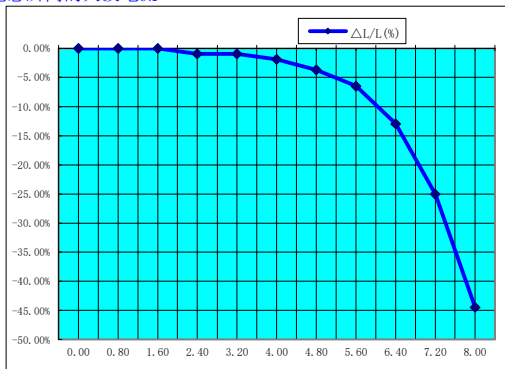
DATE 2025/3/18

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.	1 ± 30%	32.5 Max.	6.00 Max.	ΔL/L≤-30%	4.00 ΔT≤40℃ ℃			上限 下限	6.2 5.8	6.2 5.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V							
1	1.12	13.3	1.00	-10.71%	OK			6.03	5.97	2.66
2	1.10	13.7	1.00	-9.09%	OK			6.01	5.98	2.70
3	1.05	13.0	0.95	-9.52%	OK			5.96	5.94	2.68
4	1.07	13.8	0.96	-10.28%	OK			6.01	5.98	2.70
5	1.08	13.7	0.98	-9.26%	OK			5.96	5.94	2.68
6	1.08	14.0	0.98	-9.26%	OK			6.00	5.98	2.68
7	1.09	13.6	0.98	-10.09%	OK			6.01	5.98	2.70
8	1.07	13.5	0.97	-9.35%	OK			5.96	5.94	2.68
9	1.05	13.2	0.96	-8.57%	OK			6.00	5.98	2.68
10	1.03	13.1	0.92	-10.68%	OK			6.00	5.96	2.70
AVG.	1.074	13.49	0.97	-9.68%				5.994	5.965	2.686
R	0.09	1	0.08	2.14%				0.07	0.04	0.04

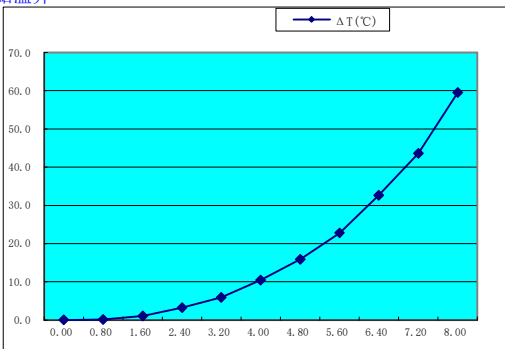
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	1.08	0.00%
1	0.80	1.08	0.00%
1	1.60	1.08	0.00%
1	2.40	1.07	-0.93%
1	3.20	1.07	-0.93%
1	4.00	1.06	-1.85%
1	4.80	1.04	-3.70%
1	5.60	1.01	-6.48%
1	6.40	0.94	-12.96%
1	7.20	0.81	-25.00%
1	8.00	0.60	-44.44%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	1.04	0.00%	27.7	0.0
30	0.80	1.04	0.00%	27.8	0.1
30	1.60	1.03	-0.96%	28.8	1.1
30	2.40	1.03	-0.96%	30.9	3.2
30	3.20	1.02	-1.92%	33.6	5.9
30	4.00	1.02	-1.92%	38.1	10.4
30	4.80	0.99	-4.81%	43.6	15.9
30	5.60	0.93	-10.58%	50.5	22.8
30	6.40	0.73	-29.81%	60.3	32.6
30	7.20	0.32	-69.23%	71.3	43.6
30	8.00	0.21	-79.81%	87.2	59.5



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JINKAI P/N:

CKNR6028Z-1R5YC

PART NO.

CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

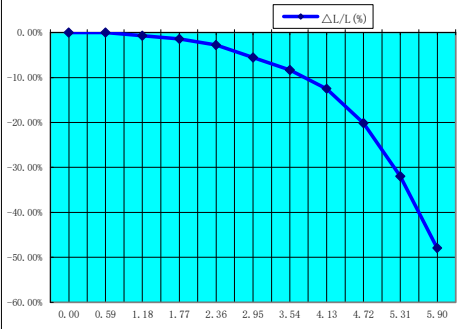
DATE 2025/3/18

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.	1.5 ± 30%	39 Max.	4.84 Max.	ΔL/L≤-30%	2.92 ΔT≤40℃ ℃			上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V							
1	1.50	16.8	1.23	-18.00%	OK			5.98	5.96	2.70
2	1.55	16.5	1.25	-19.35%	OK			6.03	5.98	2.67
3	1.54	15.9	1.25	-18.83%	OK			6.01	5.98	2.73
4	1.57	17.1	1.24	-21.02%	OK			6.04	5.99	2.71
5	1.51	17.4	1.25	-17.22%	OK			6.03	5.98	2.74
6	1.56	16.6	1.26	-19.23%	OK			6.03	6.01	2.61
7	1.51	16.7	1.25	-17.22%	OK			5.97	6.00	2.68
8	1.44	16.2	1.27	-11.81%	OK			5.97	6.05	2.65
9	1.48	16.9	1.29	-12.84%	OK			5.98	5.95	2.63
10	1.53	16.1	1.26	-17.65%	OK			6.02	6.00	2.69
AVG.	1.519	16.624	1.255	-17.32%				6.006	5.99	2.681
R	0.13	1.5	0.06	9.21%				0.07	0.1	0.13

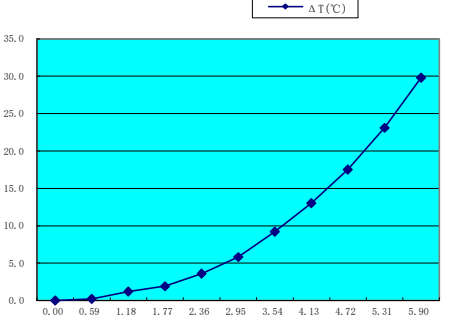
Isat(飽和電流):電感瞬間的突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	1.44	0.00%
1	0.59	1.44	0.00%
1	1.18	1.43	-0.69%
1	1.77	1.42	-1.39%
1	2.36	1.40	-2.78%
1	2.95	1.36	-5.56%
1	3.54	1.32	-8.33%
1	4.13	1.26	-12.50%
1	4.72	1.15	-20.14%
1	5.31	0.98	-31.94%
1	5.90	0.75	-47.92%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	1.30	0.00%	28.4	0.0
30	0.59	1.30	0.00%	28.6	0.2
30	1.18	1.30	0.00%	29.6	1.2
30	1.77	1.29	-0.77%	30.3	1.9
30	2.36	1.27	-2.31%	32.0	3.6
30	2.95	1.25	-3.85%	34.2	5.8
30	3.54	1.20	-7.69%	37.6	9.2
30	4.13	1.11	-14.54%	41.4	13.0
30	4.72	0.94	-27.69%	45.9	17.5
30	5.31	0.63	-51.54%	51.5	23.1
30	5.90	0.33	-74.62%	58.2	29.8



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JINKAI P/N: CKNR6028Z-2R2NC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

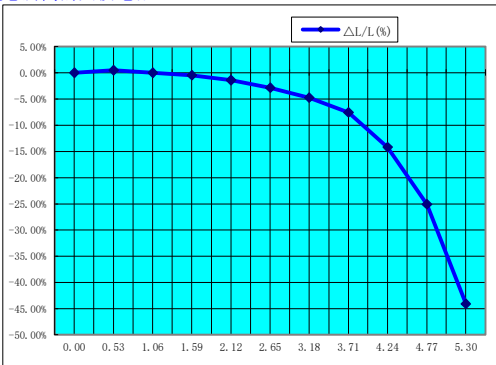
DATE 2025/3/18

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%	48 Max.	4.90 Max.	ΔL/L≤-30%	2.57 ΔT≤40℃ ℃				上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V								
1	2.11	21.5	1.78	-15.64%	OK				6.03	5.97	2.66
2	2.12	21.3	1.74	-17.92%	OK				6.01	5.98	2.70
3	2.13	21.0	1.70	-20.19%	OK				5.96	5.94	2.68
4	2.15	20.3	1.75	-18.60%	OK				6.01	5.98	2.70
5	2.10	21.1	1.74	-17.14%	OK				5.96	5.94	2.68
6	2.11	20.2	1.71	-18.96%	OK				6.00	5.98	2.68
7	2.14	21.1	1.70	-20.56%	OK				6.01	5.98	2.70
8	2.12	21.6	1.75	-17.45%	OK				5.96	5.94	2.68
9	2.13	20.8	1.74	-18.31%	OK				6.00	5.98	2.68
10	2.06	21.6	1.73	-16.02%	OK				6.00	5.96	2.70
AVG.	2.117	21.053	1.734	-18.08%					5.994	5.965	2.686
R	0.09	1.43	0.08	4.92%					0.07	0.04	0.04

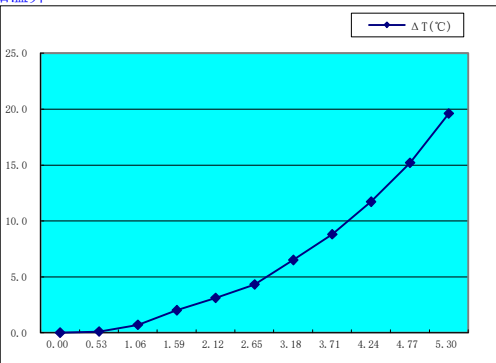
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Isat(A)	L(UH)	ΔL/L(%)
1	0.00	2.11	0.00%
1	0.53	2.12	0.47%
1	1.06	2.11	0.00%
1	1.59	2.10	-0.47%
1	2.12	2.08	-1.42%
1	2.65	2.05	-2.84%
1	3.18	2.01	-4.74%
1	3.71	1.95	-7.58%
1	4.24	1.81	-14.22%
1	4.77	1.58	-25.12%
1	5.30	1.18	-44.08%



單點溫昇

TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	2.18	0.00%	25.0	0.0
30	0.53	2.17	-0.46%	25.1	0.1
30	1.06	2.15	-1.38%	25.7	0.7
30	1.59	2.15	-1.38%	27.0	2.0
30	2.12	2.14	-1.83%	28.1	3.1
30	2.65	2.13	-2.29%	29.3	4.3
30	3.18	2.08	-4.59%	31.5	6.5
30	3.71	2.04	-6.42%	33.8	8.8
30	4.24	1.86	-14.68%	36.7	11.7
30	4.77	1.56	-28.44%	40.2	15.2
30	5.30	1.03	-52.75%	44.6	19.6



承认书

SPECIFICATION FOR APPROVAL



CUSTOMER	
CUSTOMER'S P/N	
JINKAI P/N:	CKNR6028Z-3R3MC
PART NO.	CKNR6028Z 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%	33 Max.	3.30 Max.	ΔL/L≤-30%	2.40 ΔT≤40℃ ℃				上限 6.2	6.2	2.8	
									下限 5.8	5.8	MAX	
TEST FREQ.	100Hz/1V		100KHz/1V									
1	3.38	27.3	2.90	-14.2%	OK				6.03	5.97	2.66	
2	3.36	28.6	2.85	-15.2%	OK				6.01	5.98	2.70	
3	3.35	28.3	2.95	-11.9%	OK				5.96	5.94	2.68	
4	3.30	28.5	2.85	-13.6%	OK				6.01	5.98	2.70	
5	3.35	28.6	2.81	-16.1%	OK				5.96	5.94	2.68	
6	3.35	29.6	2.86	-14.6%	OK				6.00	5.98	2.68	
7	3.40	27.6	2.80	-17.6%	OK				6.01	5.98	2.70	
8	3.35	28.7	2.79	-16.7%	OK				5.96	5.94	2.68	
9	3.35	28.9	2.90	-13.4%	OK				6.00	5.98	2.68	
10	3.27	28.7	2.75	-15.9%	OK				6.00	5.96	2.70	
AVG.	3.346	28.48	2.846	-14.94%					5.994	5.965	2.686	
R	0.13	2.3	0.2	5.71%					0.07	0.04	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	3.29	0.00%
1	0.50	3.28	-0.30%
1	1.00	3.28	-0.30%
1	1.50	3.27	-0.61%
1	2.00	3.24	-1.52%
1	2.50	3.20	-2.74%
1	3.00	3.12	-5.17%
1	3.50	2.96	-10.03%
1	4.00	2.68	-18.54%
1	4.50	2.21	-32.83%
1	5.00	1.55	-52.89%

單點溫昇					
TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(℃)	ΔT(℃)
30	0.00	3.21	0.00%	31.3	0.0
30	0.50	3.20	-0.31%	31.3	0.0
30	1.00	3.20	-0.31%	31.7	0.4
30	1.50	3.18	-0.93%	32.6	1.3
30	2.00	3.16	-1.56%	33.8	2.5
30	2.50	3.10	-3.43%	35.9	4.6
30	3.00	3.00	-6.54%	38.5	7.2
30	3.50	2.82	-12.15%	41.5	10.2
30	4.00	2.47	-23.05%	45.7	14.4
30	4.50	1.87	-41.74%	50.3	19.0
30	5.00	1.15	-64.17%	56.1	24.8

承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-4R7MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

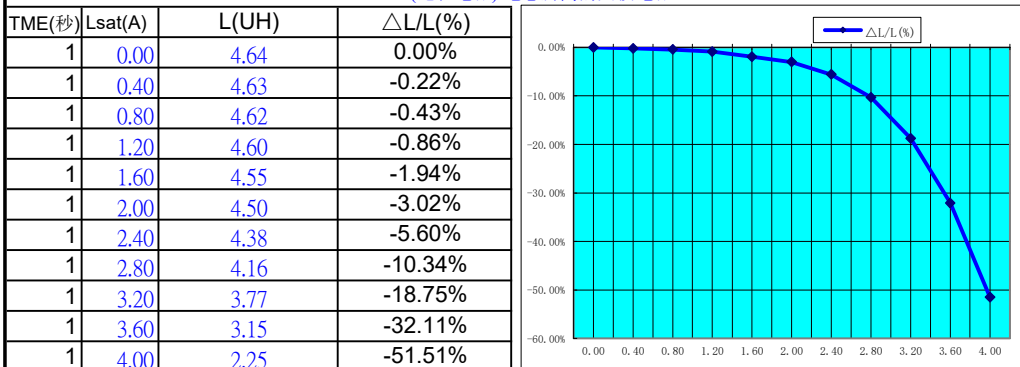
TEST TEMP. 20~25°C

DATE 2025/3/18

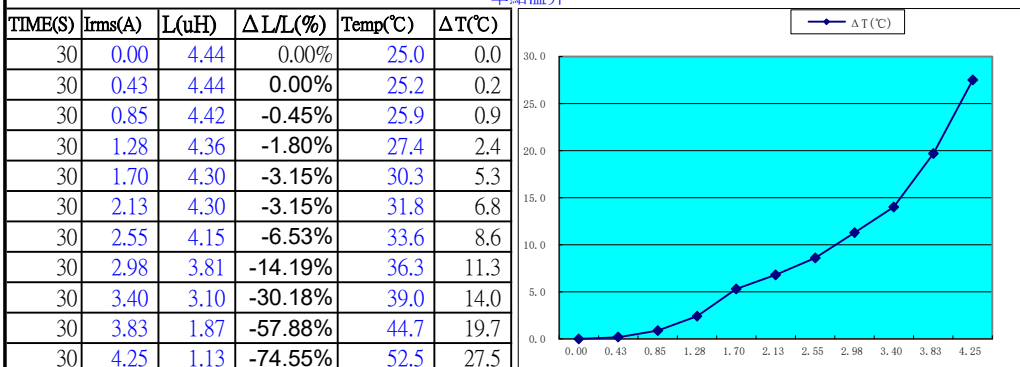
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)				
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm	
SPEC.	4.7 ± 20%	39 Max.	2.90 Max.	△L/L≤-30%	2.00 ΔT≤40℃ ℃				上限 下限	6.2 5.8	6.2 5.8 2.8 MAX	
TEST FREQ.	100Hz/1V		100KHz/1V									
1	4.69	32.9	3.74	-20.26%	OK					6.03	5.97	2.66
2	4.57	32.7	3.79	-17.07%	OK					6.01	5.98	2.70
3	4.58	33.0	3.84	-16.16%	OK					5.96	5.94	2.68
4	4.55	32.3	3.84	-15.60%	OK					6.01	5.98	2.70
5	4.64	33.1	3.77	-18.75%	OK					5.96	5.94	2.68
6	4.56	34.1	3.80	-16.67%	OK					6.00	5.98	2.68
7	4.59	33.4	3.81	-16.99%	OK					6.01	5.98	2.70
8	4.53	32.1	3.80	-16.11%	OK					5.96	5.94	2.68
9	4.51	33.2	3.79	-15.96%	OK					6.00	5.98	2.68
10	4.80	33.1	3.74	-22.08%	OK					6.00	5.96	2.70
AVG.	4.602	32.99	3.792	-17.57%						5.994	5.965	2.686
R	0.29	2	0.1	6.48%						0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-6R8MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

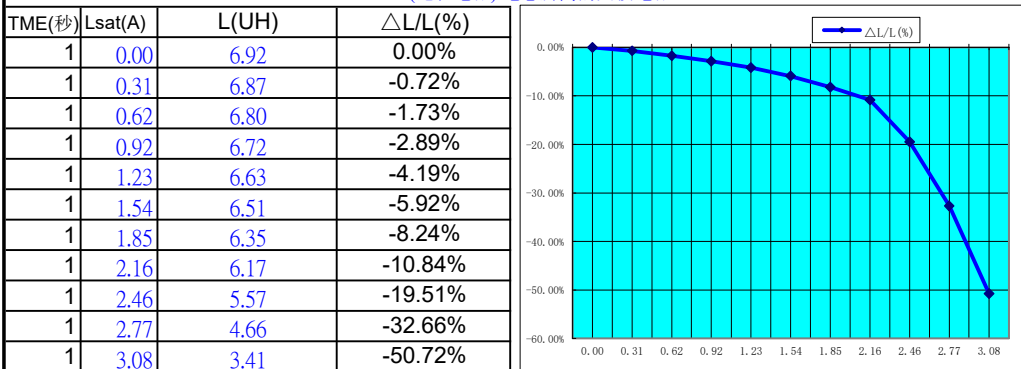
TEST TEMP. 20~25°C

DATE 2025/3/18

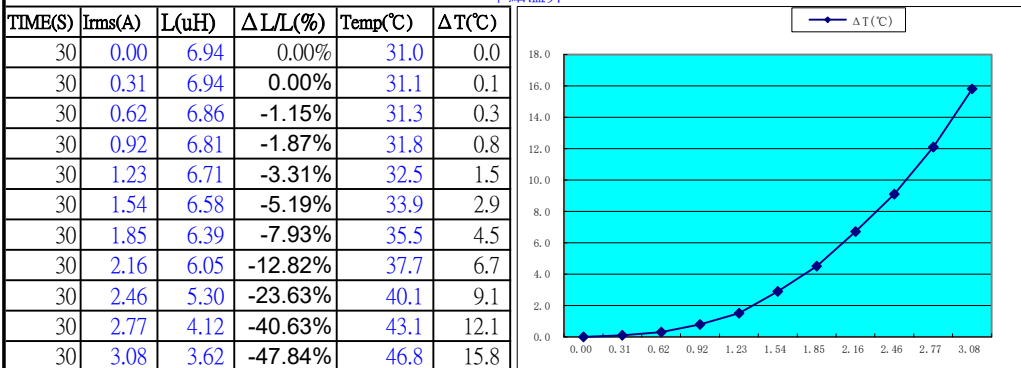
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A			長 mm	寬 mm	高 mm
SPEC.	6.8 ± 20%	61 Max.	2.40 Max.	ΔL/L≤-30%	1.60 ΔT≤40°C °C			上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V							
1	6.26	45.8	5.10	-18.53%	OK			6.03	5.97	2.66
2	6.25	46.3	5.12	-18.08%	OK			6.01	5.98	2.70
3	6.27	45.2	5.20	-17.07%	OK			5.96	5.94	2.68
4	6.38	45.0	5.14	-19.44%	OK			6.01	5.98	2.70
5	6.37	46.6	5.15	-19.15%	OK			5.96	5.94	2.68
6	6.32	46.1	5.12	-18.99%	OK			6.00	5.98	2.68
7	6.36	46.6	5.10	-19.81%	OK			6.01	5.98	2.70
8	6.38	46.1	5.14	-19.44%	OK			5.96	5.94	2.68
9	6.38	46.8	5.14	-19.44%	OK			6.00	5.98	2.68
10	6.33	46.3	5.15	-18.64%	OK			6.00	5.96	2.70
AVG.	6.330	46.08	5.136	-18.86%				5.994	5.965	2.686
R	0.13	1.8	0.1	2.75%				0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-100MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

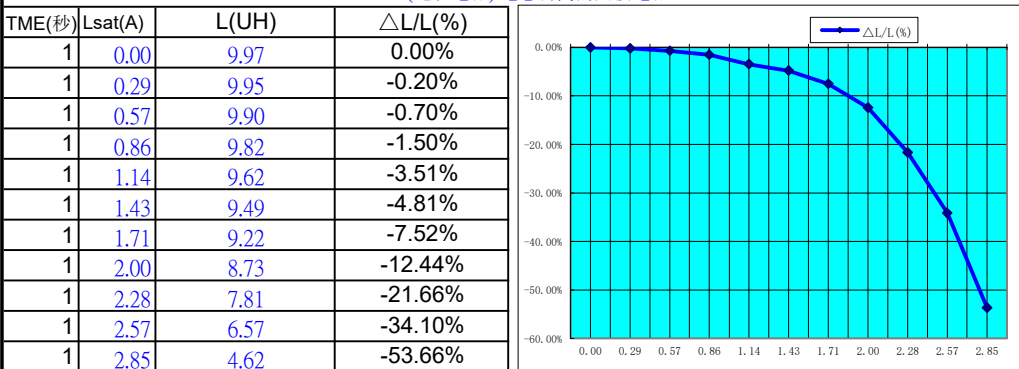
TEST TEMP. 20~25°C

DATE 2025/3/18

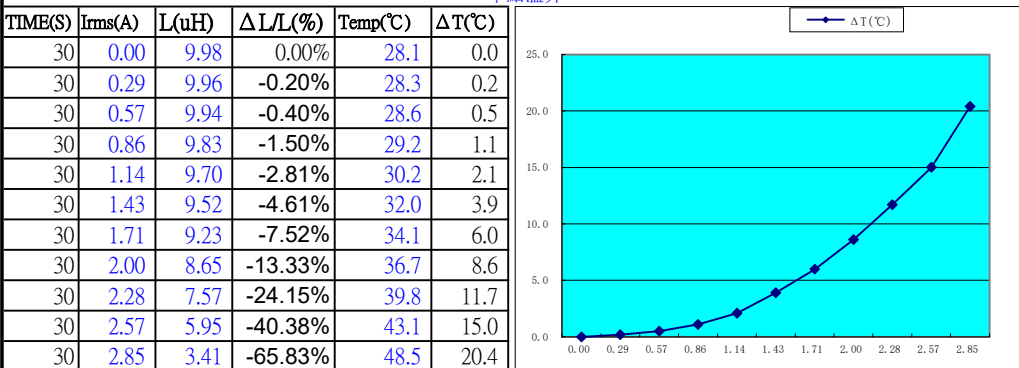
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	10.0 ± 20%	94 Max.	1.9 Max.	△L/L≤-30%	1.50 ΔT≤40℃ ℃				上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V								
1	9.71	72.6	7.97	-17.92%	OK				6.03	5.97	2.66
2	9.84	71.2	7.95	-19.21%	OK				6.01	5.98	2.70
3	9.79	70.4	7.98	-18.49%	OK				5.96	5.94	2.68
4	9.64	71.6	7.89	-18.15%	OK				6.01	5.98	2.70
5	9.86	70.2	7.90	-19.88%	OK				5.96	5.94	2.68
6	9.84	71.8	7.89	-19.82%	OK				6.00	5.98	2.68
7	9.73	70.5	7.81	-19.73%	OK				6.01	5.98	2.70
8	9.82	70.0	7.80	-20.57%	OK				5.96	5.94	2.68
9	9.75	68.9	7.82	-19.79%	OK				6.00	5.98	2.68
10	9.83	70.7	7.89	-19.74%	OK				6.00	5.96	2.70
AVG.	9.781	70.79	7.89	-19.33%					5.994	5.965	2.686
R	0.22	3.7	0.18	2.65%					0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-150MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

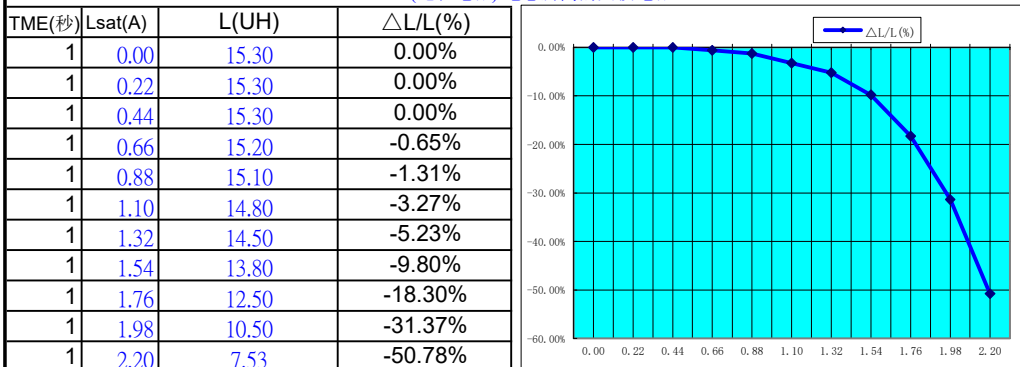
TEST TEMP. 20~25°C

DATE 2025/3/18

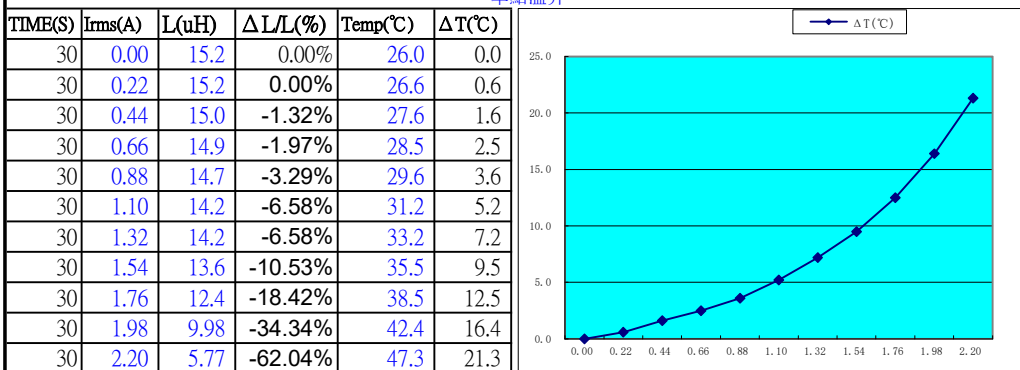
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	15.0 ± 20%	140 Max.	1.65 Max.	△L/L≤-30%	1.11 △T≤40℃ ℃				上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V								
1	15.6	107	12.6	-19.23%	OK				6.03	5.97	2.66
2	15.5	109	12.7	-18.06%	OK				6.01	5.98	2.70
3	15.8	108	12.7	-19.62%	OK				5.96	5.94	2.68
4	16.1	104	12.6	-21.74%	OK				6.01	5.98	2.70
5	15.7	106	12.8	-18.47%	OK				5.96	5.94	2.68
6	16.2	105	12.9	-20.37%	OK				6.00	5.98	2.68
7	15.9	104	12.8	-19.50%	OK				6.01	5.98	2.70
8	15.6	107	12.7	-18.59%	OK				5.96	5.94	2.68
9	15.9	107	12.9	-18.87%	OK				6.00	5.98	2.68
10	15.9	104	12.8	-19.50%	OK				6.00	5.96	2.70
AVG.	15.820	106.1	12.75	-19.39%					5.994	5.965	2.686
R	0.7	5	0.3	3.67%					0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-220MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

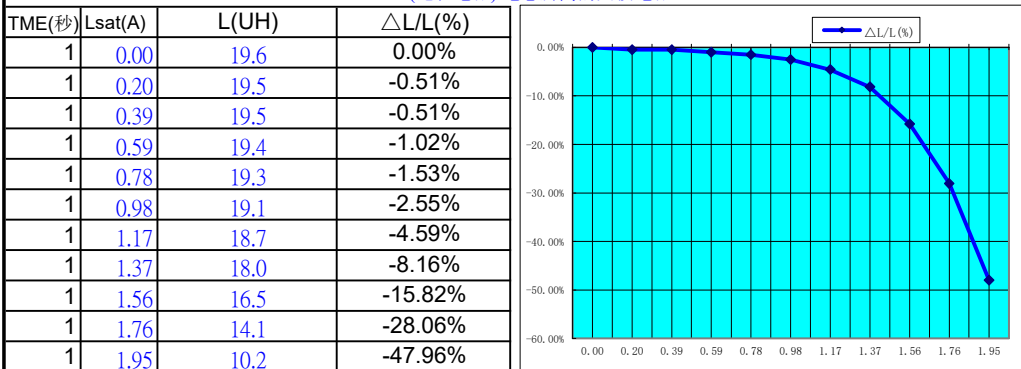
TEST TEMP. 20~25°C

DATE 2025/3/18

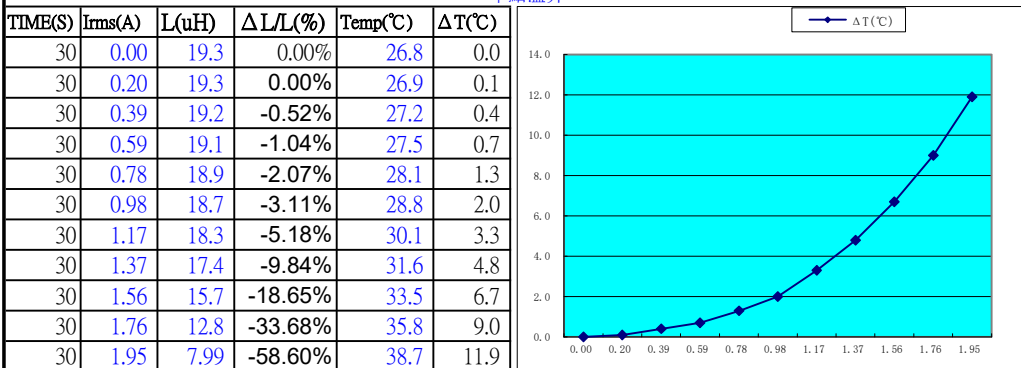
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	22.0 ± 20%	190 Max.	1.3 Max.	ΔL/L≤-30%	1.00 ΔT≤40℃ ℃				上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V								
1	20.9	145	16.9	-19.14%	OK				6.03	5.97	2.66
2	20.6	141	16.8	-18.45%	OK				6.01	5.98	2.70
3	20.8	149	17.4	-16.35%	OK				5.96	5.94	2.68
4	21.0	148	16.8	-20.00%	OK				6.01	5.98	2.70
5	21.6	146	17.2	-20.37%	OK				5.96	5.94	2.68
6	21.3	145	17.6	-17.37%	OK				6.00	5.98	2.68
7	21.0	143	17.0	-19.05%	OK				6.01	5.98	2.70
8	21.5	146	17.2	-20.00%	OK				5.96	5.94	2.68
9	21.4	147	17.0	-20.56%	OK				6.00	5.98	2.68
10	20.2	143	16.9	-16.34%	OK				6.00	5.96	2.70
AVG.	21.030	145.3	17.08	-18.76%					5.994	5.965	2.686
R	1.4	8	0.8	4.22%					0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-270MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

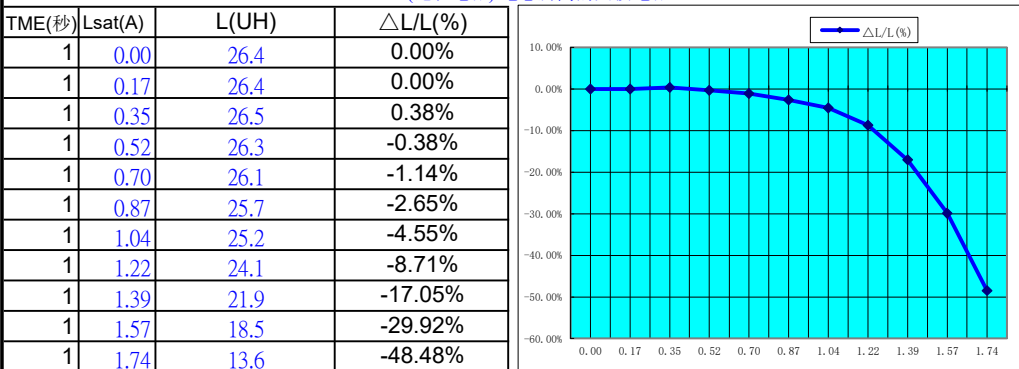
TEST TEMP. 20~25°C

DATE 2025/3/18

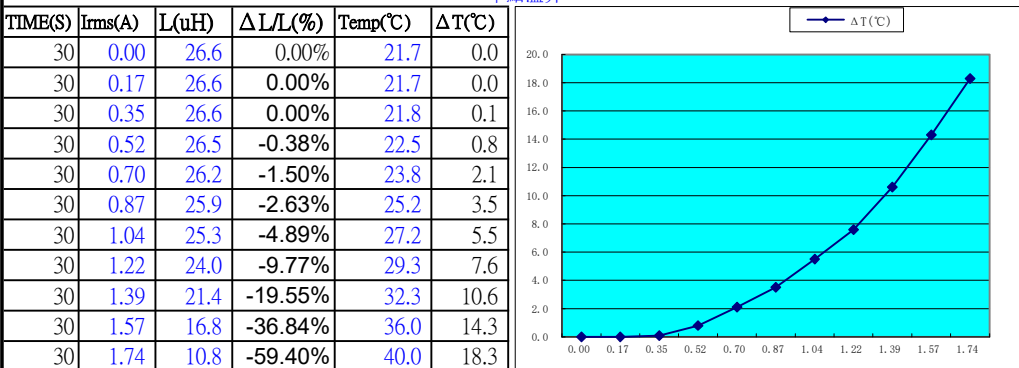
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)		
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A			長 mm	寬 mm	高 mm
SPEC.	27.0 ± 20%	202 Max.	1.3 Max.	ΔL/L≤-30%	1.00 ΔT≤40°C °C			上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V							
1	26.4	160	21.5	-18.56%	OK			6.03	5.97	2.66
2	26.7	166	21.0	-21.35%	OK			6.01	5.98	2.70
3	26.8	155	21.9	-18.28%	OK			5.96	5.94	2.68
4	26.5	168	21.2	-20.00%	OK			6.01	5.98	2.70
5	27.0	169	21.1	-21.85%	OK			5.96	5.94	2.68
6	27.0	166	21.5	-20.37%	OK			6.00	5.98	2.68
7	26.6	166	21.0	-21.05%	OK			6.01	5.98	2.70
8	26.9	170	21.5	-20.07%	OK			5.96	5.94	2.68
9	27.1	171	21.5	-20.66%	OK			6.00	5.98	2.68
10	27.0	170	21.6	-20.00%	OK			6.00	5.96	2.70
AVG.	26.800	166.1	21.38	-20.22%				5.994	5.965	2.686
R	0.7	16	0.9	3.57%				0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-330MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

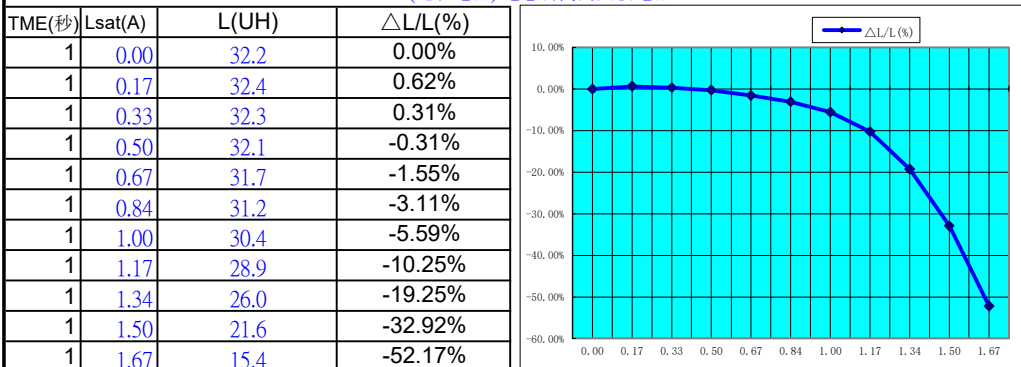
TEST TEMP. 20~25°C

DATE 2025/3/18

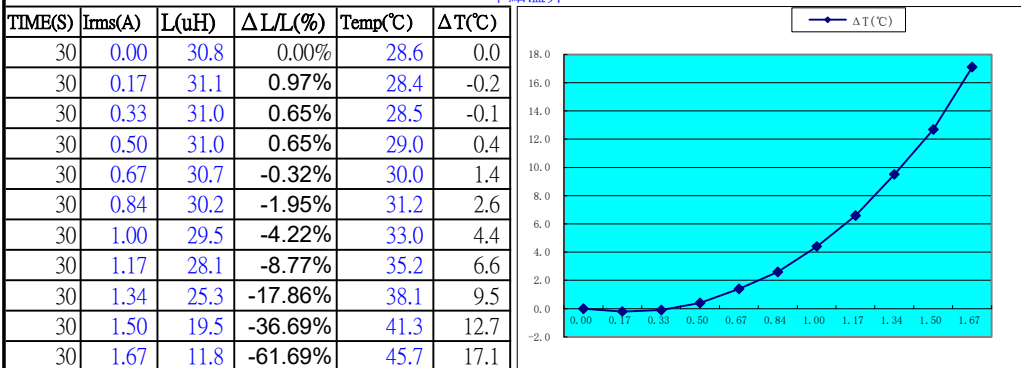
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	ΔL/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	33.0 ± 20%	270 Max.	1.1 Max.	ΔL/L≤-30%	0.84 ΔT≤40℃ ℃			上限 下限	6.2 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	100Hz/1V		100KHz/1V								
1	31.7	196	26.7	-15.77%	OK				6.03	5.97	2.66
2	31.4	203	27.6	-12.10%	OK				6.01	5.98	2.70
3	31.2	198	26.8	-14.10%	OK				5.96	5.94	2.68
4	31.8	204	26.3	-17.30%	OK				6.01	5.98	2.70
5	32.0	201	26.0	-18.75%	OK				5.96	5.94	2.68
6	32.1	207	26.0	-19.00%	OK				6.00	5.98	2.68
7	32.1	200	26.0	-19.00%	OK				6.01	5.98	2.70
8	32.4	196	26.5	-18.21%	OK				5.96	5.94	2.68
9	31.0	199	26.1	-15.81%	OK				6.00	5.98	2.68
10	32.5	206	25.9	-20.31%	OK				6.00	5.96	2.70
AVG.	31.820	201	26.39	-17.04%					5.994	5.965	2.686
R	1.5	11	1.7	8.21%					0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



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承认书

SPECIFICATION FOR APPROVAL



CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-470MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

TEST TEMP. 20~25°C

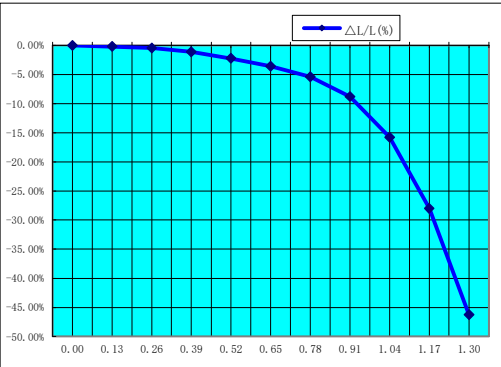
DATE 2025/3/18

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.	47.0 ± 20%	350 Max.	0.95 Max.	ΔL/L≤-30%	0.72 ΔT≤40°C °C			上限 6.2 下限 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	1MHz/1V		100KHz/1V							
1	47.4	269	39.1	-17.51%	OK			6.03	5.97	2.66
2	46.1	261	38.0	-17.57%	OK			6.01	5.98	2.70
3	46.2	261	38.1	-17.53%	OK			5.96	5.94	2.68
4	44.7	266	37.1	-17.00%	OK			6.01	5.98	2.70
5	45.8	265	37.2	-18.78%	OK			5.96	5.94	2.68
6	45.5	266	38.0	-16.48%	OK			6.00	5.98	2.68
7	45.2	261	37.6	-16.81%	OK			6.01	5.98	2.70
8	45.6	265	37.2	-18.42%	OK			5.96	5.94	2.68
9	45.3	267	37.5	-17.22%	OK			6.00	5.98	2.68
10	45.3	264	37.1	-18.10%	OK			6.00	5.96	2.70
AVG.	45.710	264.5	37.69	-17.54%				5.994	5.965	2.686
R	2.7	8	2	2.29%				0.07	0.04	0.04

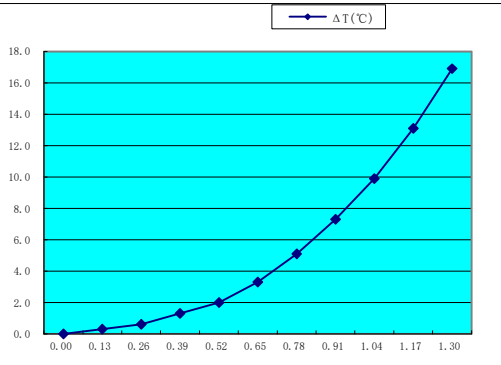
Isat(飽和電流):電感瞬間の突波電流

TME(秒)	Lsat(A)	L(UH)	ΔL/L(%)
1	0.00	44.30	0.00%
1	0.13	44.20	-0.23%
1	0.26	44.10	-0.45%
1	0.39	43.80	-1.13%
1	0.52	43.30	-2.26%
1	0.65	42.70	-3.61%
1	0.78	41.90	-5.42%
1	0.91	40.40	-8.80%
1	1.04	37.30	-15.80%
1	1.17	31.90	-27.99%
1	1.30	23.80	-46.28%



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TIME(S)	Irms(A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
30	0.00	43.70	0.00%	28.7	0.0
30	0.13	43.50	-0.46%	29.0	0.3
30	0.26	43.30	-0.92%	29.3	0.6
30	0.39	43.10	-1.37%	30.0	1.3
30	0.52	42.70	-2.29%	30.7	2.0
30	0.65	41.20	-5.72%	32.0	3.3
30	0.78	41.20	-5.72%	33.8	5.1
30	0.91	39.70	-9.15%	36.0	7.3
30	1.04	36.30	-16.93%	38.6	9.9
30	1.17	30.00	-31.35%	41.8	13.1
30	1.30	20.30	-53.55%	45.6	16.9



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-680MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

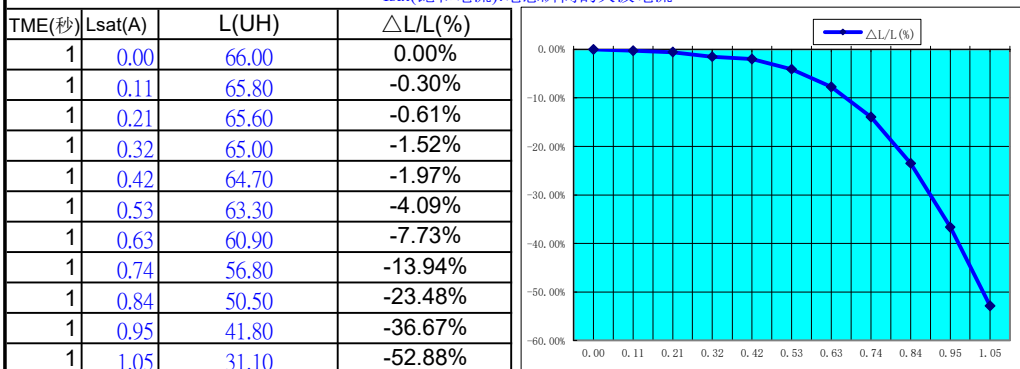
TEST TEMP. 20~25°C

DATE 2025/3/18

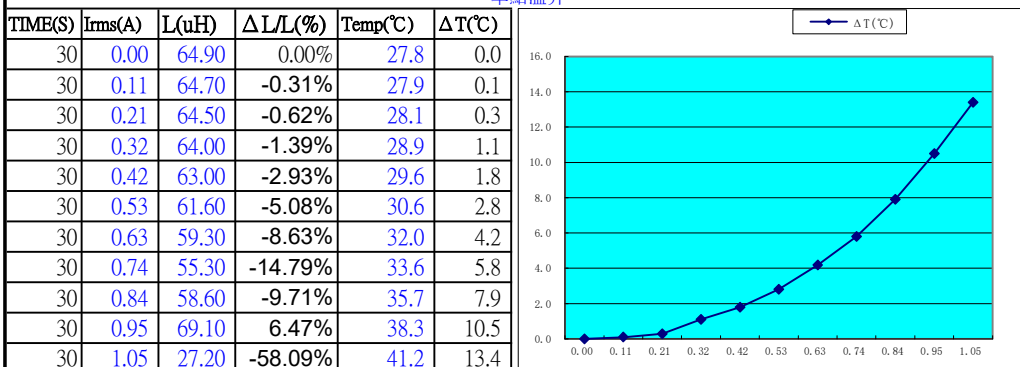
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	68.0 ± 20%	480 Max.	0.55 Max.	△L/L≤-30%	0.42 ΔT≤40℃ ℃			上限 下限	6.2 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	1MHz/1V		100KHz/1V								
1	67.3	396	54.6	-18.87%	OK				6.03	5.97	2.66
2	65.4	399	54.0	-17.43%	OK				6.01	5.98	2.70
3	67.3	394	54.2	-19.47%	OK				5.96	5.94	2.68
4	66.2	396	54.6	-17.52%	OK				6.01	5.98	2.70
5	64.7	394	54.0	-16.54%	OK				5.96	5.94	2.68
6	67.7	400	55.0	-18.76%	OK				6.00	5.98	2.68
7	67.6	396	54.3	-19.67%	OK				6.01	5.98	2.70
8	65.4	395	54.2	-17.13%	OK				5.96	5.94	2.68
9	68.1	387	54.0	-20.70%	OK				6.00	5.98	2.68
10	66.5	394	53.9	-18.95%	OK				6.00	5.96	2.70
AVG.	66.620	395.1	54.28	-18.50%					5.994	5.965	2.686
R	3.4	13	1.1	4.17%					0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



單點溫昇



承认书



SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER'S P/N

JINKAI P/N: CKNR6028Z-101MC

PART NO. CKNR6028Z Series

DRAWN NO.

TEST R.H. 80~85%

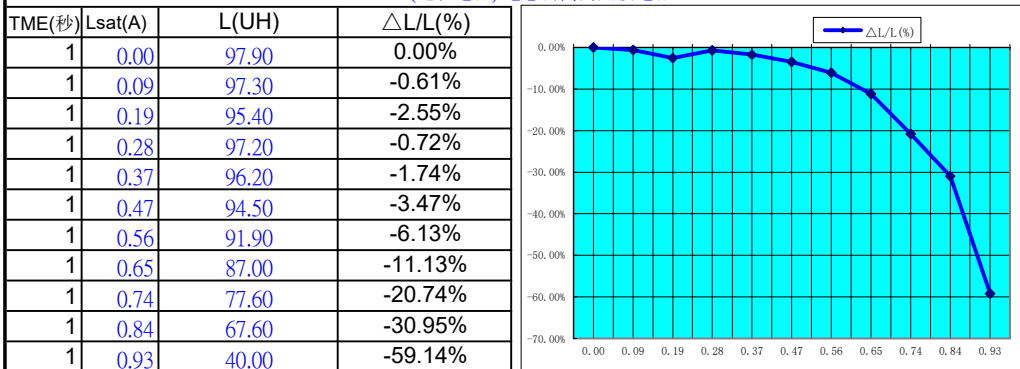
TEST TEMP. 20~25°C

DATE 2025/3/18

TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION								DIMENSION (Unit : mm)			
MEAS. ITEM	L μh	DCR mΩ	Isat A	△L/L	Irms A				長 mm	寬 mm	高 mm
SPEC.	100.0 ± 20%	1495 Max.	0.6 Max.	△L/L≤-30%	0.45 ΔT≤40℃ ℃			上限 下限	6.2 5.8	6.2 5.8	2.8 MAX
TEST FREQ.	1MHz/1V		100KHz/1V								
1	97.3	630	77.9	-19.94%	OK				6.03	5.97	2.66
2	97.0	610	78.0	-19.59%	OK				6.01	5.98	2.70
3	97.7	620	77.6	-20.57%	OK				5.96	5.94	2.68
4	96.9	614	77.6	-19.92%	OK				6.01	5.98	2.70
5	95.8	612	76.9	-19.73%	OK				5.96	5.94	2.68
6	101	622	78.6	-22.49%	OK				6.00	5.98	2.68
7	98.6	634	77.5	-21.40%	OK				6.01	5.98	2.70
8	99.2	619	77.5	-21.88%	OK				5.96	5.94	2.68
9	97.9	629	78.0	-20.33%	OK				6.00	5.98	2.68
10	98.5	617	78.1	-20.71%	OK				6.00	5.96	2.70
AVG.	98.030	620.7	77.77	-20.65%					5.994	5.965	2.686
R	5.6	24	1.7	2.90%					0.07	0.04	0.04

Isat(飽和電流):電感瞬間の突波電流



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