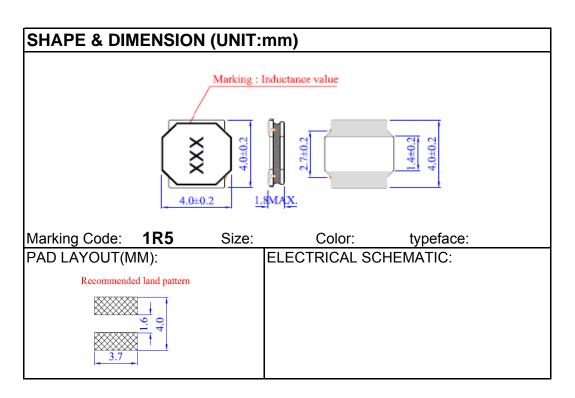
客 户 名 称 Customer Name:	斯威易发展
产 品 名 称 Name of products:	功率电感
产 品 系 列 Product Series :	CKNR4018E-1R5M
— 承 认 书 编 号 Specification No.:	KSG150414002

客户料号	尺寸	产品规格
Customer P/No.	Size	Product Specification
	4018	CKNR4018E-1R5M 1.5µH ±20% (3.3A)
备注Note		
客户确认		
Customer		
Sign & Chop		

深圳市金盛浩科技有限公司 SHENZHEN KINGSINGO TECHNOLOGY CO., LTD.

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CUSTOMER P/N:		REVISION:	Α
KSG P/N:	CKNR4018E-1R5M	DATE:	2015-4-14
DRAWN NO.:	KSG150414002		



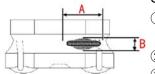
ELECTRICAL SPECIFICATION								
MEAS. ITEM		SF	PEC.		TEST FREQ.	CONDITIONS		
L	1.5	μΗ	±	20%	100KHz/1V	Ta=25℃,Idc=0A		
DCR	52	mΩ	Max.			Ta=25°ℂ		
Isat	3.3	Α	Max.		100KHz/1V	△L/L≤30%		

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

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Appearance of the standard

1.Void appearance tolerance limit



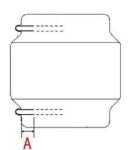
Size of voids occurring to coating resin is specified below.

- ①Width direction(dimension A): Acceptable when A<=C/2
 Nonconforming when B>=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 2.0mm and below.



- ①Acceptable when A<=0.6mm
- ②Nonconforming when A>0.6mm

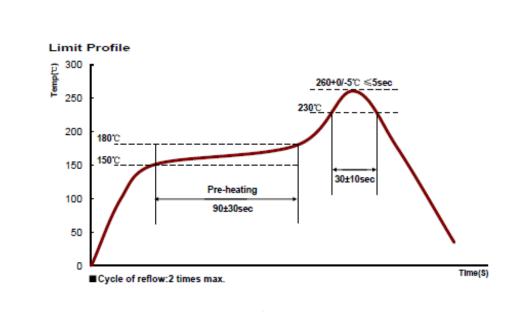
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RELIABILITY TEST

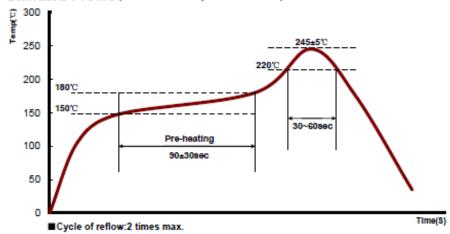
Test Items	Test Conditions	Criteria
1.Low temperature storage	Placed at -40℃ for 500 hours,then measured at room ambient temperature after placing 24 hours.	Inductance shall be within ±10% of the initial value.
2.High temperature storage	Placed at +125℃ for 500 hours,then measured at room ambient temperature after placing 24 hours.	Inductance shall be within ±10% of the initial value.
3.Thermal shock	-40℃,30min.~+125 ℃,30min,500hours	Inductance shall be within ±10% of the initial value.
4.Humidity resistance	Placed at 90 to 95%RH,+50℃ for 500 hours,then measured at room ambient temperature after placing 24 hours.	Inductance shall be within ±10% of the initial value. Insulation resistance >100Mohm 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 ±10% of the initial value.
6.Vibration	Frequency:10~500Hz Amplitude:1.5mm or 10G Sweep time:1oct/min Test Directions:X,Y,Z Test Time:2 hours each direction	Inductance shall be within ±10% of the initial value.
7.Terminal strength	linductor through hole of test	
8.Soldering heat resistance	Dip inductor's terminal in solder bath of follwing conditions: 1)260±5℃,10±1sec, 2)350±10℃,3.5±0.5sec	Inductance shall be within ±10% of the initial value. Appearance:No damage

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REFLOW-PROFILE







CUSTOMER:	斯威易发展	PAGE:	5/5
CUSTOMER P/N:		TEST R.H:	≤85%
KSG P/N:	CKNR4018E-1R5M	TEST TEMP:	20~25℃
DRAWN NO.:	KSG150414002	DATE:	2015-4-14

TEST DATA FOR PREPRODUCTION SAMPLE

	TEST RESOLUTION					DIMENSION (Unit: mm)					
MEAS.											
ITEM	μH	mΩ						长	宽	高	
SPEC.	1.5 ± 20%	52 Max.						MAX 4.2	MAX 4.2	MAX 1.8	
TEST FREQ.	100KHz/1V							mm	mm	mm	
1	1.46	37.9						4.00	4.01	1.76	
2	1.50	38.4						3.99	3.97	1.76	
3	1.43	38.3						4.01	4.01	1.72	
4	1.46	38.1						4.02	4.00	1.75	
5	1.45	38.2						4.05	4.00	1.69	
6	1.42	39.0									
7	1.45	39.0									
8	1.45	37.0									
9	1.42	38.6									
10	1.45	39.0									
AVG.	1.449	38.35									
R	0.08	2									

DRAWN BY	CHECKED BY	APPROVED BY
李	谢	黄
2015-4-14	2015-4-14	2015-4-14
奕莹	焕飞	大燕