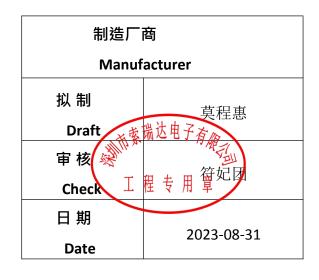


深圳市索瑞达电子有限公司

承 认 书 SPECIFICATION FOR APPROVAL

答 尸 名 称: Customer Name:	立创	
客户料号: Customer P/N:	C5374148	
产 品 名 称: Product Name:	功率电感	
索 瑞 达 料 号: Sorede P/N:	SNR.6045.TYDR68NT00	





地址:深圳市观澜镇福城街道新塘村8号源创园陆号A6栋3楼.

Address: 3Rd Floor, Building A6, Yuanchuangyuanlu, No. 8 Xintang Village, Fucheng Street, Guanlan Town, Shenzhen.

电话 Tel: 0755-29803356 传真 Fax: 0755-29803506

电子邮件 E-mail: sorde@vip.163.com

网址 http://www.szsorede.com

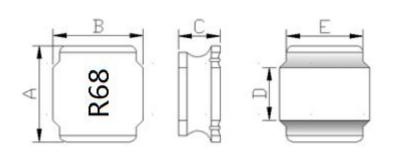
修改履历表

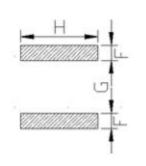
Modify Resume

修改日期			修改明细	修改后版本号
Date modified			Modify Details	Version No.
2023-08-31	文件新制订	File formulation		A

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The Ivallioei		V CISIOII I VUIIIOCI		page	

1、外形尺寸 Dimension:





1 1220	
A	6.00±0.3
В	6.00±0.3
C	4.5Max.
D	2.9Тур.
Е	5.7Typ.
F	1.7Typ.
G	2.8Тур.
Н	5 7Tvn

单位Unit: mm

2、产品品名构成 Product Spec. Model

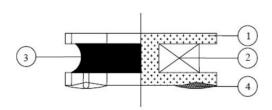
<u>SNR.6045</u>. <u>T Y D R68 N T 00</u> a b c d e f a h i

- a: 系列名称Series name
- b: 产品尺寸Product dimensions (AxBxC)
- C: 形状Shape (T:12边形12-Sided、B:8边形8-Sided、S:4边形4-Sided)
- d: 密封方式Sealing way (L: 冷封Cold seal Y: 热封Heat seal)
- e: 印字方向 Lettering direction ▶
- f: 电感值Inductance Value

(1R0:1.0uH; 100: 10uH; 101:100uH)

- g:电感公差Inductance Tolerance (K:10%; M:20%; N:30%)
- h: 包装Package(T:磁带/卷轴Tape/Reel、B: 散装Bulk)
- i: 编号Numbering (标准standard)

3、结构Structure

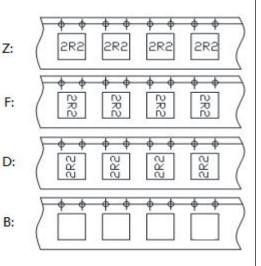


4、材料清单MATERIAL LIST

NO.	PARTS	MATERIAL SPECIFICATIONS	UL FILE NO.	TEMP. CLASS
1	CORE	N4A SDR 6.0*4.1F B=2.8 F=2.3 OR EQUIVALENT	NA	NA
2	WIRE	G1 P180 OR EQUIVALENT	E258243	180℃
3	ADHESIVE	E-500AH(胶水)+ FSC4(合金粉) OR EQUIVALENT	NA	NA
4	SOLDER	Sn99.3-Cu0.7 OR EQUIVALENT	NA	NA

^{*}NA:NOT APPLICABLE.

► Lettering direction



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5、电性能参数	数表 E	lectrical Char	acteristics Lis	st			
规格型号 Part NO.		电感量 Tolerance(μH)	测试频率 Test Freq. (kHz/v)	直流电阻 DCR Max (mΩ)	饱和电流 Isat (A)	线径WIRE (φ/mm)	圈数TS (Ref)
SNR.6045.TYDR6	8NT00	0.68	100/1	12.0	9.5	0.40	4.5
					I	I	I

Isat 电流:指使电感量比初始值下降30%Max.(The rated DC current is that which cause at 30% Max.inductance reduction from the initial value)。

[※]公差Tolerance: N:±30%、M:±20%、K:±10%.

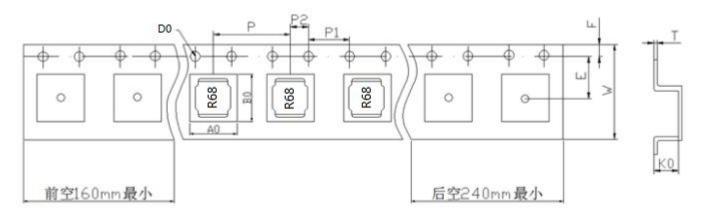
[※]工作温度Operating temperature rang: -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including Self-heating)

[※]储存温度Storage termperature rang: -40 $^{\circ}$ to +125 $^{\circ}$

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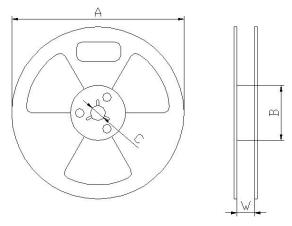
6、产品包装 Packaging

1) 载带包装示意图 Tape packing diagram



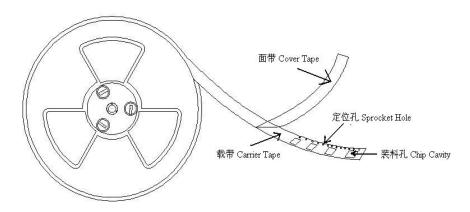
ITEM	W	A0	В0	K0	P	Е	F	D0	P1	P2	Т
DIM	12.00	6.3	6.3	4.7	8.00	5.5	1.75	1.50	4.00	2.00	0.35
TOLE	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	+0.1	±0.1	±0.1	±0.05

2)卷盘包装示意图 Tape packing diagram



А	330±0.5
В	100±0.5
С	13.5±0.5
W	12.5±0.5

3) 卷盘包装示意图 Tape packing diagram

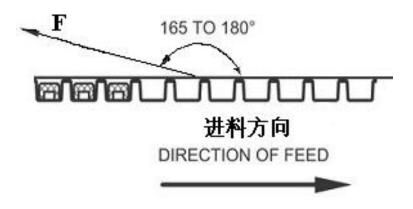


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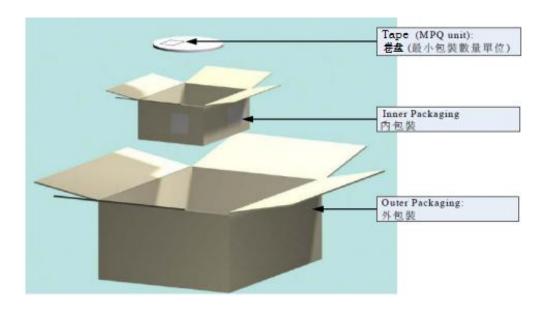
4)剥离强度要求Peeling required

①F 力大小: 20~100g;

②面带剥离角度: 165°~180°。



5) 包装数量 Packing quantity



项目 (Project)	数量(PCS)	尺寸规格(Size:mm)
盘(Reel)	1500	13"
内盒 (Inner box)	6000	340mm*340mm*65mm
外箱 (Out box)	18000	360mm*360mm*235mm

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7. RELIABIL	ITY 1	TEST METHOD						
MECHANIC.								
TESTITEM	8	SPECIFICATION			TEST DETAILS			
Substrate bend	dir∆⊓ik	L/Lo≦±5%	The sam	ple shall be soldered	onto the printed o	ircuit board		
			in figure	1 and a load applied	unitil the figure in	the arrow		
	The	ere shall be	direction	is made approximate	ely 3mm.(keep tin	ne 30 seconds)		
	no	mechanical	PCB din	nension shall the page	e 7/9			
	daı	mage or elec-		F(P	ressurization)			
	tric	cal damege.						
				Fare	<u> </u>			
				R5 45±2	45±2			
						20		
				PRESSURE I	ROD			
				figure-1		R340		
Vibration		L/Lo≦±5%	The sam	ıple shall be soldered	onto the printed o	ircuit board		
			and when a vibration having an amplitude of 1.52mm					
	The	ere shall be	and a frequency of from 10 to 55Hz/1 minute repeated should					
	no	mechanical	be applied to the 3 directions (X,Y,Z) for 2 hours each.					
	da	mage.	(A total	of 6 hours)				
Solderability	Ne	w solder	Flux (ros	sin, isopropyl alcohol{	JIS-K-1522}) shall	be coated		
•	Mc	ore than 90%	over the whole of the sample before hard, the sample shall					
			then be	preheated for about 2	minutes in a tem	perature of		
			$130{\sim}150^\circ\!$					
			below for 3±0.2 seconds fully in molten solder M705 with					
			a temperature of 245±2℃.					
			More tha	an 90% of the electroo	de sections shall l	oe couered		
			with new	solder smoothly whe	en the sample is t	aken out of		
			the sold	er bath.				

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MECHANICAL								
TESTITEM	SPECIFICATION							
Resistance to	There shall be	Temperature profile of reflow soldering						
Soldering heat	no damage or							
(reflow soldering)	problems.	The specimen shall be a condition shown in the a for 1 hour, after which the	Pre-heating 2 min passed through the above profile for 1 is stored at standard	e reflow oven with time.	the			
E. E. E. E. E								
ELECTRICAL								
TEST ITEM	SPECIFICATION		TEST DETAI	LS				
TESTITEM	There shall be no other	DC 100V voltage shall b	2000/00/00 1000/00/00/00 1000/00/00/00/00/00/00/00/00/00/00/00/00	s and the second				
	KTERCAT INSTPACES OF SCHOOLSCHALL WAS A STANCE OF SCHOOL	DC 100V voltage shall b	e applied across	s and the second				
TEST ITEM Insulation	There shall be no other		e applied across	this sample of top				
TEST ITEM Insulation resistance	There shall be no other	surface and the termina	e applied across in the second	this sample of top nan 1 × 10 ⁸ Ω.	top			
TEST ITEM Insulation resistance Dielectric	There shall be no other damage or problems.	surface and the termina The insulation resistanc	e applied across in the shall be more the shall be more the applied for 1 minutes.	this sample of top nan 1 × 10 ⁸ Ω.	top			
TEST ITEM Insulation resistance Dielectric withstand	There shall be no other damage or problems. There shall be	surface and the termina The insulation resistanc AC 100V voltage shall b	e applied across in the shall be more the shall be more the applied for 1 minutes.	this sample of top nan 1 × 10 ⁸ Ω.	top			
TEST ITEM Insulation resistance Dielectric withstand	There shall be no other damage or problems. There shall be no other or problems.	surface and the termina The insulation resistanc AC 100V voltage shall b	e applied across in the shall be more the shall be more the applied for 1 minutes.	this sample of top nan 1 × 10 ⁸ Ω.	top			
TEST ITEM Insulation	There shall be no other damage or problems. There shall be no other damage or	surface and the termina The insulation resistanc AC 100V voltage shall b	e applied across in the shall be more the shall be more the applied for 1 minus I of this sample	this sample of top nan 1 × 10 ⁸ Ω.				
TEST ITEM Insulation resistance Dielectric withstand voltage	There shall be no other damage or problems. There shall be no other damage or problems.	surface and the termina The insulation resistanc AC 100V voltage shall be surface and the termina	ne applied across in the sample after the sample applied for 1 minutes and the sample applied after the sample applied across in the sample applied applied after the sample applied across in the sample across in the sampl	this sample of top nan 1 × 10 ⁸ Ω. nute acrosset the ple has stabilized				
TEST ITEM Insulation resistance Dielectric withstand voltage Temperature	There shall be no other damage or problems. There shall be no other damage or problems. △L/L20°C ≦±10%	surface and the termina The insulation resistanc AC 100V voltage shall be surface and the termina The test shall be perfore	ne applied across to the shall be more the sample of - 40 to + 125°C	this sample of top nan 1 × 10 ⁸ Ω. nute acrosset the ple has stabilized and the value				

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TEST ITEM	CHARACTERISTICS SPECIFICATION							
High temperature	∆L/Lo≦±5%	The sample shall be left for 500hours in an atmospere with						
storage		a temperature of 125±2°C and a normal humidity.						
	There shall be	Upon completion of the measurement shall be made after the						
	no mechanical	sample has been left in a normal temperature and normal						
	damage.	humidity for 1 hour.						
		The state of the s						
Low temperature		The sample shall be left for 500 hours in an atmosphere with						
storage			•	of -40±3℃.	'			
Ü	There shall be			on of the test, the measure	ment shall be made			
	no mechanical	'	•	e has been left in a normal				
	damage.		•	/ for 1 hour.	•			
Change of	△L/Lo≦±5%	The sam	ple sha	all be subject to 5 continuo	os cycles, such as shown			
temperature		in the tal	ole 2 be	elow and then it shall be s	ubjected to standard			
	There shall be	stmosph	eric co	nditions for 1 hour, after w	hich measurement			
	no other dama-	shall be made.						
	ge of problems							
			table 2					
				Temperature	Duration			
			1	-40 ± 3℃	10 min.			
					l			
				(Themostat No.1)				
			2	(Themostat No.1) Standard	5 sec. or less			
			2		5 sec. or less No.1→No.2			
			2	Standard				
				Standard atmospheric	No.1→No.2			
				Standard atmospheric 125±2℃	No.1→No.2			
			3	Standard atmospheric 125±2℃ (Themostat No.2)	No.1→No.2 30 min.			
Moisuture storage	∧ I /I o < +5%	The sam	3	Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric	No.1→No.2 30 min. 5 sec. or less No.2→No.1			
Moisuture storage	△L/Lo≦±5%		3 4 ple sha	Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric all be left for 500 hours in a	No.1→No.2 30 min. 5 sec. or less No.2→No.1			
Moisuture storage		40±2°C a	3 4 ple sha	Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric all be left for 500 hours in a umidity (RH) of 90~95%.	No.1→No.2 30 min. 5 sec. or less No.2→No.1 a temperature of			
Moisuture storage	△L/Lo≦±5% There shall be no mechanical	40±2°C a	3 4 ple shand a hand	Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric all be left for 500 hours in a	No.1→No.2 30 min. 5 sec. or less No.2→No.1 a temperature of ment shall be made			

Test conditions:

The sample shall be reflow soldered onto the printed circuit board in every test.

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8、注意事项 Note

①本承认书保证我司产品作为一个单体时的质量情况。当我司产品被安装到贵司产品上时,请保证 贵司的产品已根据贵司的规范进行了有效评估和确认。

This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.

②如果贵司对我司产品的使用已超过了本承认书所界定的产品功能,那么对于由此引发的失效, 我司将不予保证。

We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.

- ③为了保持终端电极的焊接性,并使包装材料保持良好状态,必须控制储存区的温度和湿度。
 To maintain the solderabilty of terminal electrodes and to keep the packing material in good condition, temperature and humidity in the storage area should be controlled.
 - ※建议的条件: -10~+40℃, 30~70%RH。

Recommended conditions: $-10 \sim +40 \,^{\circ}\text{C}$, $30 \sim 70 \,^{\circ}\text{RH}$.

※储存超过六个月的,应在实际使用前进行焊接检验。
In case of storage over 6 months, soldrability shall be checked before actual usage.

※即使在理想的储存条件下,产品的可焊性也随着时间的推移而降低。因此,产品应从交货时算起, 建议8个月之内使用完。

Even under ideal storage conditions, the weldability of the product decreases over time. therefore, the product should be From the time of delivery, it is recommended that it be used within 8 months.

④本承认书在客户收到30天之内,必须签章返回,逾期视为默认。

The Specification Approval should be sent back to the supplier with customer's on it within 30 days after receiving it, or we will take it as approved by customer's automatically.

⑤如有特殊规格要求,请事前联络我司技术部人员。

In case of special specifications please contact our technical department prior staff.