

深圳市索瑞达电子有限公司

承 认 书 SPECIFICATION FOR APPROVAL

客户名称: Customer Name:	立创	
客户料号: Customer P/N:		
产 品 名 称: Product Name:	功率电感	
索 瑞 达 料 号: Sorede P/N:	SRYH.0530C.YF4R7MT00	

制造厂	制造厂商			
Manufa	acturer			
拟制	唐杨英			
Draft	端达电子有偏			
审核	4 + 四海紀日			
Check	程专用管妃团			
日期	2022 07 22			
Date	2022-07-23			



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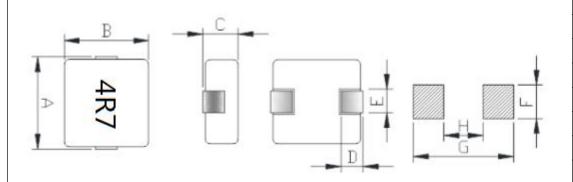
修改履历表

Modify Resume

<i>l.b.</i> → <i>l</i> . □ . ₩□	Woully Resume	<i>ね</i> カ.ビルナロ
修改日期	修改明细	修改后版本号
Date modified	Modify Details	Version No.
2022-07-23	文件新制订 File formulation	A

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1、外形尺寸 Dimension:



单位Unit: 1	mm
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A	5.4±0.35
В	5.2±0.2
C	2.8±0.2
D	1.2±0.2
Е	2.2±0.3
F	2.5
G	6
Н	2.2

2、产品品名构成 Product Spec. Model

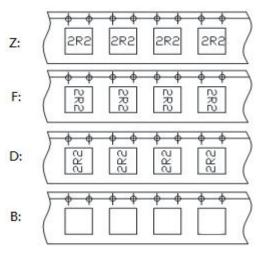
 $\frac{SRYH \cdot 0530C}{a} \cdot \frac{Y}{F} = \frac{4R7}{M} \cdot \frac{M}{T} \cdot \frac{00}{M}$

- a: 系列名称Series name
- b: 产品尺寸Product dimensions (AxBxC)
- c: 密封方式Sealing way (L: 冷封Cold seal Y: 热封Heat seal)
- d: 印字方向 Lettering direction ▶
- e: 电感值Inductance Value

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

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

► Lettering direction



3、材料清单MATERIAL LIST

NO.	PARTS	MATERIAL	UL FILE NO.	TEMP. CLASS
1	Iron Powder	ALLOY OR EQUIVALENT/(SG25)	NA	NA
2	WIRE	POLYURETHANE ENAMELLED COPPER WIRE OR EQUIVALENT	E258243	180℃
3	Base	Fog Tin OR EQUIVALENT	NA	NA
4	SOLDER	Sn99.3-Cu0.7 OR EQUIVALENT	NA	NA

^{*}NA:NOT APPLICABLE.

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4、电性能参数表 Electrical Characteristics List

4、七日から多数な Electrical Characteristics Elst					
规格型号 Part NO.	电感量 Tolerance (μH)±20 %	测试频率 Test Freq. (kHz/v)	直流电阻 DCR Max (mΩ)	饱和电流 Isat (A)TYP.	温升电流 Irms (A)TYP.
SRYH.0530C.YF4R7MT00	4.70	100/1	60.00	4.6	4.5

※公差Tolerance: N:±30%、M:±20%、K:±10%.

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

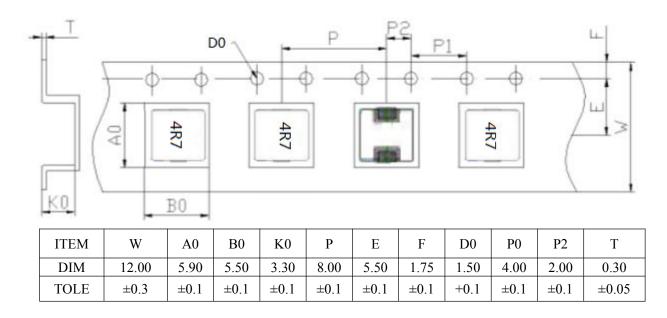
※储存温度Storage termperature rang: -40 $^{\circ}$ to +125 $^{\circ}$

额定电流:指使电感量比初始值下降30%TYP.或电感器表面温度上升 40°CTYP.的电流值,以较小者为准(参考周围环境温度 25°C)。 The rated DC current is that which cause at 30% TYP.inductance reduction from the initial value or inductor surface temperature to rise by 40°CTYP., whichever is smaller (Reference ambient temperature 25°C)。

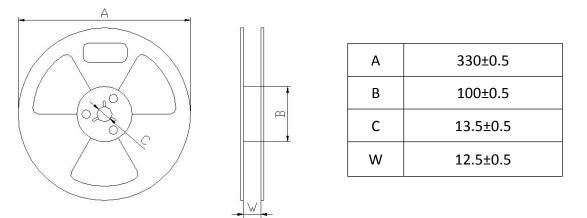
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5、产品包装 Packaging

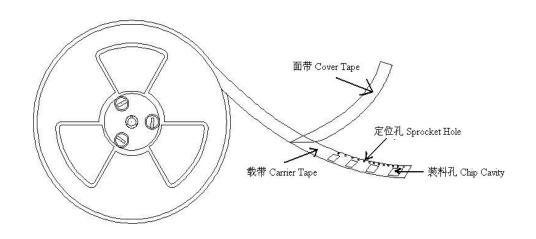
1) 载带包装示意图 Tape packing diagram



2) 卷盘尺寸 REEL DIMENSION(mm)



3) 卷盘包装示意图 Tape packing diagram

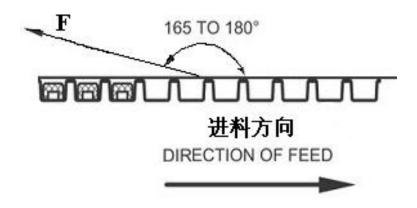


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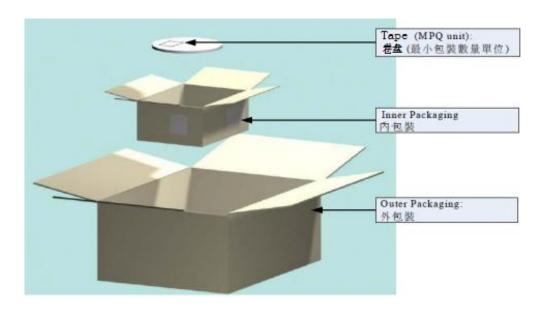
4)剥离强度要求Peeling required

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)	2000	13"	
内盒 (Inner box)	8000	340mm*340mm*65mm	
外箱 (Out box)	24000	360mm*360mm*225mm	

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	TYTEST METHOD						
MECHANICA	T	т					
TESTITEM	SPECIFICATION	TEST DETAILS					
Substrate bend	Ir ∆L/Lo≦±5%	The sample shall be soldered onto the printed circuit board					
		in figure 1 and a load applied unitil the figure in the arrow					
	There shall be		is made approximate		ne 30 seconds)		
	no mechanical	PCB din	nension shall the pag				
	damage or elec-		F(P	ressurization)			
	trical damege.			П			
			R5 45±2	45±2	20		
			PRESSURE I figure-1	ROD	10 R340		
Vibration	△L/Lo≦±5%	The sample shall be soldered onto the printed circuit board					
		and when a vibration having an amplitude of 1.52mm					
	There 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.					
	damage.	(A total of 6 hours)					
Solderability	New solder	Flux (rosin, isopropyl alcohol{JIS-K-1522}) shall be coated					
•	More than 90%	over the whole of the sample before hard, the sample shall					
		then be preheated for about 2 minutes in a temperature of					
		130∼150°C and after it has been immersed to a depth 0.5mm					
		below for 3±0.2 seconds fully in molten solder M705 with					
		a temperature of 245±2℃.					
		More than 90% of the electrode sections shall be couered					
		with new solder smoothly when the sample is taken out of					
		the sold	·	•			

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MECHANICAL							
TESTITEM		SPECIF	ICATION				
Resistance to	There shall be Temperature profile of reflow soldering						
Soldering heat	no damage or						
(reflow soldering)	problems.	The specimen shall be produced to the specimen shall be sometimen shall be sometimen.	Pre-heating 2 min passed through the above profile for 1 is stored at standard	e reflow oven with time.	the		
ELECTRICAL							
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	in grower			
	ELLINOSA, INC DATUM RANDA C. POLINGORION CO. TX MADELLING ALTONOMOUS.	DC 100V voltage shall b	e applied across	in grower			
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	this sample of top nan 1 × 10 ⁸ Ω.			
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.			
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.			
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.			
TEST ITEM Insulation resistance	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.	top		
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. The nute acrosset the ple has stabilized	top		
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. The nute acrosset the ple has stabilized the value	top		

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ENVIROMENT	CHARACTERISTIC	S							
TEST ITEM	SPECIFICATION								
High temperature	△L/Lo≦±5%	The sample shall be left for 500hours in an atmospere with							
storage		a temperatur	a temperature of 125±2℃ and a normal humidity.						
	There shall be	Upon comple	etion of the measurement sha	all be made after the					
	no mechanical	sample has been left in a normal temperature and normal							
	 damage.	humidity for	1 hour.						
Low temperature	△L/Lo≦±5%	The sample	shall be left for 500 hours in	an atmosphere with					
storage		a temperature of -40±3°C.							
	There shall be	Upon completion of the test, the measurement shall be made							
	no mechanical	after the san	nple has been left in a norma	l temperature and					
	damage.	normal humi	dity for 1 hour.						
Change of	△L/Lo≦±5%	The sample	shall be subject to 5 continu	os cycles, such as shown					
temperature		in the table 2	below and then it shall be s	subjected to standard					
	There shall be	stmospheric	conditions for 1 hour, after w	which measurement					
	no other dama-	shall be mad	le.						
	no other dama- ge of problems	shall be mad	le.						
		shall be mad		ole 2					
		shall be mad			\neg				
		shall be mad	tab Temperature	ole 2					
			tab Temperature	ole 2 Duration					
			tab Temperature -40±3℃ (Themostat No.1)	ole 2 Duration					
			tab Temperature -40±3℃ (Themostat No.1)	ole 2 Duration 10 min.					
			Temperature -40±3℃ (Themostat No.1) Standard atmospheric	Duration 10 min. 5 sec. or less					
			Temperature -40±3℃ (Themostat No.1) Standard atmospheric	Duration 10 min. 5 sec. or less No.1→No.2					
			Temperature -40±3°C (Themostat No.1) Standard atmospheric 125±2°C (Themostat No.2)	Duration 10 min. 5 sec. or less No.1→No.2					
		2	Temperature -40±3°C (Themostat No.1) Standard atmospheric 125±2°C (Themostat No.2)	Duration 10 min. 5 sec. or less No.1→No.2 30 min.					
Moisuture storage	ge of problems	1 2 3	Temperature -40±3°C (Themostat No.1) Standard atmospheric 125±2°C (Themostat No.2) Standard	Duration 10 min. 5 sec. or less No.1→No.2 30 min. 5 sec. or less No.2→No.1					
Moisuture storage	ge of problems	The sample	Temperature -40±3°C (Themostat No.1) Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric	Duration 10 min. 5 sec. or less No.1→No.2 30 min. 5 sec. or less No.2→No.1					
Moisuture storage	ge of problems	The sample 40±2°C and	Temperature -40±3°C (Themostat No.1) Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric	Duration 10 min. 5 sec. or less No.1→No.2 30 min. 5 sec. or less No.2→No.1 a temperature of					
Moisuture storage	ge of problems △L/Lo≦±5%	The sample 40±2°C and Upon comple	Temperature - 40±3°C (Themostat No.1) Standard atmospheric 125±2°C (Themostat No.2) Standard atmospheric atmospheric shall be left for 500 hours in a humidity (RH) of 90~95%.	Duration 10 min. 5 sec. or less No.1→No.2 30 min. 5 sec. or less No.2→No.1 a temperature of ement shall be made					

Test conditions:

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

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7、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 chop 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.