

产品承认书  
SPECIFICATION FOR APPROVAL

客户名称 <i>CUSTOMER NAME.</i>	
产品类型 <i>PRODUCT TYPE</i>	贴片共模电感
客户料号 <i>CUSTOMER P/N</i>	SCML1513F-SERIES
料号 <i>OURS P/N</i>	SCML1513F-SERIES
文件编号 <i>FILE NO.</i>	

批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
Ruby	Ruby	John

客户承认/ <i>CUSTOMER ACCEPTED</i>		
承认 <i>APPROVED</i>	确认 <i>CHECKED</i>	承办 <i>DESIGN</i>
批注/ <i>REMARK</i>		

苏州欣腾辉电子有限公司  
SUZHU XINTENGHUI ELECTRONIC CO., LTD.



# 承认书/SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	Q	客户品名 CUSTOMER P/N	SCML1513F-SERIES	版别 REV.	A				
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一. 外观图/DIMENSION (单位/UNIT: mm)				A	15.0±0.5				
				A1	15.5±0.5				
				B	13.0±0.5				
				C	6.5Max				
				D	9.0Typ				
				E	3.4Typ				
				F	2.8Typ				
				G	3.0Typ				
二. 焊盘图/Recommended Land Pattern:/DIMENSION (单位/UNIT: mm)				A	3.5Typ				
				B	8.7Typ				
				C	3.0Typ				
				D	3.2Typ				
				三. 电路图/CIRCUIT DIAGRAM					
四. 电气特性/ELECTRICAL CHARACTERISTIC									
Part No.	Impedance (Ω)Min	Impedance (Ω)Min	Test Freq.	RDC(mΩ)Max. (N1=N2)	Rated Current (A)Max.	Insulation Resistance (MΩ)Min.	Rated Voltage (V)Max.	Marking	
SCML1513F-301	250	300	100MHZ,0.5V	4.7	13	10	80	301	
SCML1513F-551	450	550	100MHZ,0.5V	3.8±20%	10	10	80	551	
SCML1513F-701	500	700	100MHZ,0.5V	7	10	10	80	701	
SCML1513F-152	1100	1500	50MHZ,0.5V	9	8.5	10	80	152	
SCML1513F-232	1800	2300	50MHZ,0.5V	11	7	10	80	232	
1.All test data is referenced to 25°C ambient.									
2.Operating temperature range -40°C to +125°C (Including self - temperature rise)									
3.Rated Current:Based on temperature rise (ΔT:40°C TYP)									
4. Measure Equipment :									
Impedance : HP4395A									
RDC : CHEN HWA502BC/HP4338B (or equivalent)									
Rated Current(A):CH1062A+CH1320									
IR(MΩ):CH19073									
Rated Voltage(V):CH9052									
5.Test Condition:									
Temperature:26±3°C									
Humidity:<70% RH									
拟制	John	审核	Ruby	批准	Ruby				

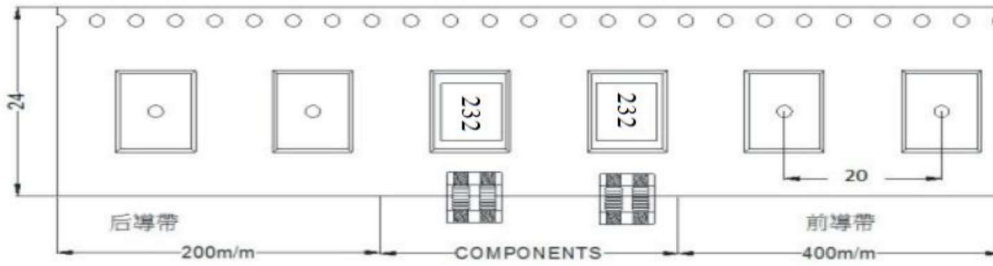
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## 五. 材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION	
1	CORE	FERRITE	
2	WIRE	2UEW P180	
3	BASE	LCP	
4	SOLDER	Sn Cu	
5	EPOXY	BLACK EPOXY	
6	INK	白色	

## 六. 包装规格/TAPING SPECIFICATIONS

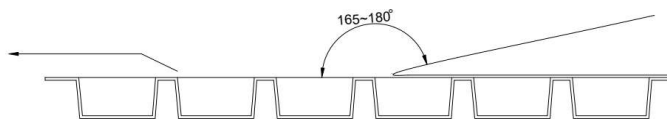


起始字需对准定位孔,印字仅供参考

Transparent carrier and cover tape/透明载带和覆盖带

*Adhesive strength of cover tape is 20 to 120 gf*

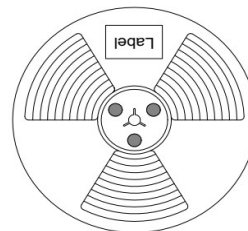
*The conduction band direction*



Packaging Quantity

轮盘规格：13'(直径330mm)

数量：500PCS/盘



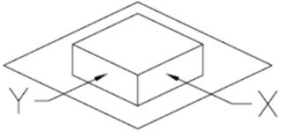
拟制	John	审核	Ruby	批准	Ruby
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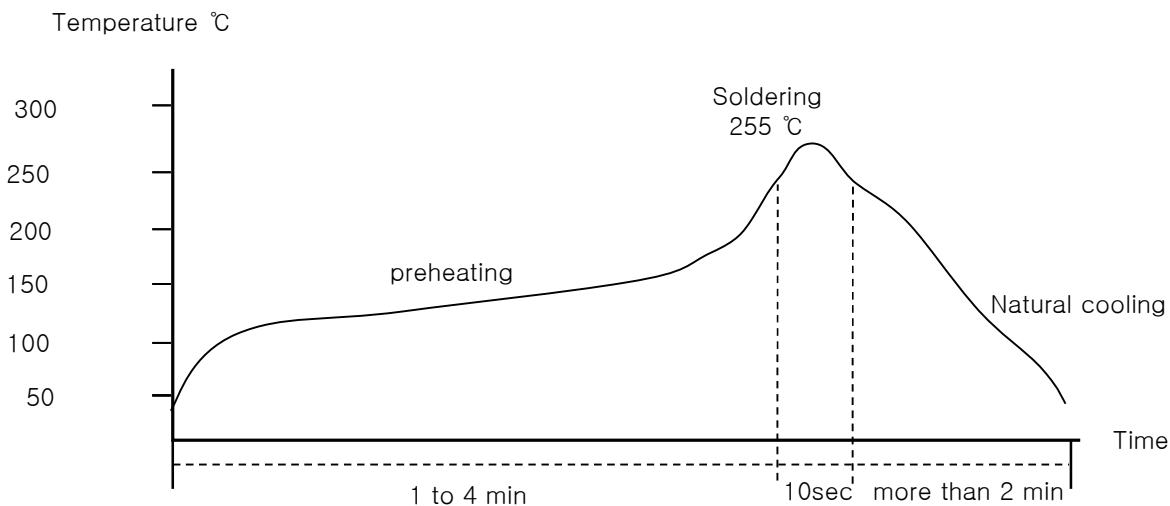
## 七. 可靠性测试/RELIABILITY TESTING

Operating Temperature	- 40 to +125 °C ( Contain Heating coil )
Appearance Inspection	No external defects by visual inspection
Terminal Strength	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. ( Refer to figure at right )
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient ( 0~2,000 ) × 10 / °C ( - 40~ + 125 °C )
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition



A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

### IR Reflow profile



Temperature and humidity . After that , no mechanical and electrical defect should be found .

拟制	John	审核	Ruby	批准	Ruby
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