

**产 品 承 认 书**  
**SPECIFICATION FOR APPROVAL**

客户名称  
*CUSTOMER NAME.*


产品类型 SMD Common Mode Choke  
*PRODUCT TYPE*

客户料号 SCMW4532S SERIES  
*CUSTOMER P/N*

料号 SCMW4532S SERIES  
*OURS P/N*

文件编号  
*FILE NO.*

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>
 AEC-Q200		



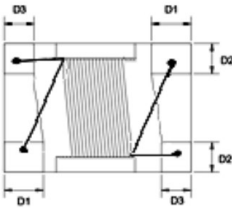
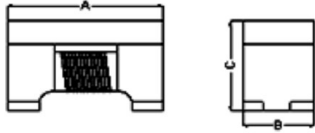
苏州欣腾辉电子有限公司  
SUZHU XINTENGHUI ELECTRONIC CO., LTD.



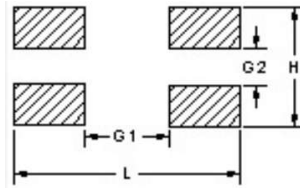
# 承认书/SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	0	客户品名 CUSTOMER P/N	SCMW4532S SERIES	版别 REV.	A
产品类型 PRODUCT TYPE	SMD Common Mode Choke	品名 OURS P/N	SCMW4532S SERIES	文件编号 FILE NO.	

## 一. 外观图/DIMENSION (单位/UNIT: mm)

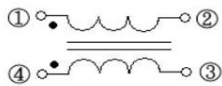


Recommended PC Board Pattern



A	4.5±0.2
B	3.2±0.2
C	2.8±0.2
D1	0.75±0.2
D2	0.85±0.2
D3	0.60±0.2
L	5.0Ref
H	3.6Ref
G1	3.4Ref
G2	1.7Ref

## 二. 电路图/CIRCUIT DIAGRAM



## 三. 电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Common mode Impedance (Ω)		Inductance (uH)+50%/-30% 100KHZ/0.1V	DC Resistance (Ω)max.	Rated Current (mA)max.	Rated Voltage (Vdc)max.	Insulation Resistance (Ω)min.
	10MHZ						
SCMW4532S-110T	300 min.	600 typ.	11	0.6	360	50	10
SCMW4532S-220T	500 min.	1200 typ.	22	1.0	310	50	10
SCMW4532S-510T	1000min.	2800 typ.	51	1.0	230	50	10
SCMW4532S-101T	2000 min.	5800 typ.	100	2.0	200	50	10

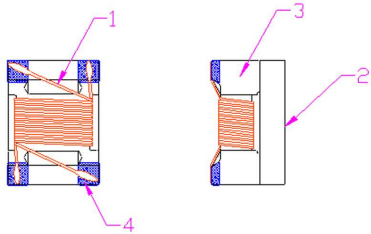
1. All test data is referenced to 25°C ambient.
2. Operating temperature range -55°C to +150°C (Including self - temperature rise)
3. Rated current(A): DC current(A) that will cause an approximate ΔT of 40°C (reference ambient temperature is 25°C)
4. Measure Equipment :  
 L : Wayne kerr 3260B/G LCR Meter (or equivalent), 100KHz 0.1V  
 RDC : CHEN HWA502BC/HP4338B (or equivalent)  
**Rated current** : Wayne kerr 3265B Bias Current Source (or equivalent)
5. Test Condition:  
 Temperature: 26±3°C  
 Humidity: <70% RH  
 Frequency: 100KHz 0.1V

拟制	John	审核	Ruby	批准	Ruby
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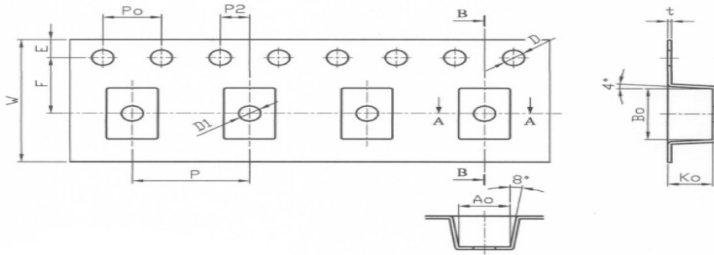
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## 四. 材料清单/MATERIAL LIST

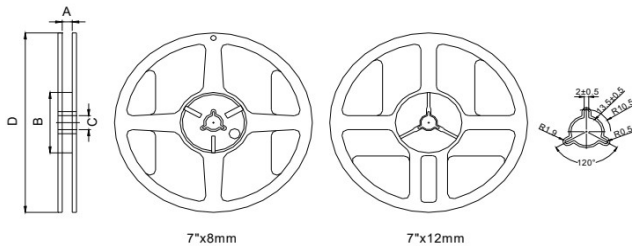


ITEM	PART	DESCRIPTION
1	WIRE	Grade 180
2	Cover sheet	FERRITE
3	CORE	FERRITE
4	TERMINAL	Ag/Cu/Ni/Sn

## 五. 编带规格/TAPING SPECIFICATIONS



Series	P(mm)	Po(mm)	P2(mm)	Bo(mm)	Ao(mm)	Ko(mm)	D(mm)	E(mm)	F(mm)	W(mm)	t(mm)	D1(mm)
SCMW4532S	8.00±0.10	4.00±0.10	2.00±0.05	4.90±0.10	3.60±0.10	3.00±0.10	1.50+0.10/-0.00	1.75±0.10	5.50±0.05	12.00±0.10	0.26±0.05	1.50±0.10



Type	A(mm)	B(mm)	C(mm)	D(mm)
7"x12mm	13.5±0.5	60±2	13.5±0.5	178±2

Chip size	Chip/Reel	Inner Box	Middle Box	Carton
SCMW4532S	500	2000	10000	20000

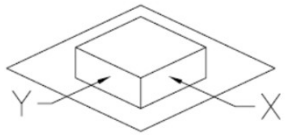
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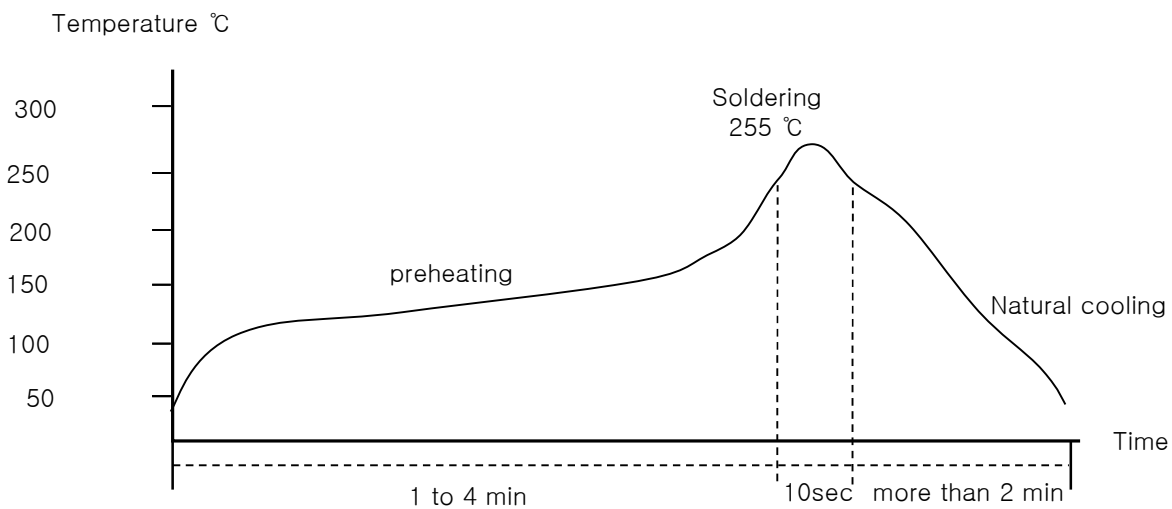
## 七. 可靠性测试/RELIABILITY TESTING

Operating Temperature	- 55 to +150℃ ( 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



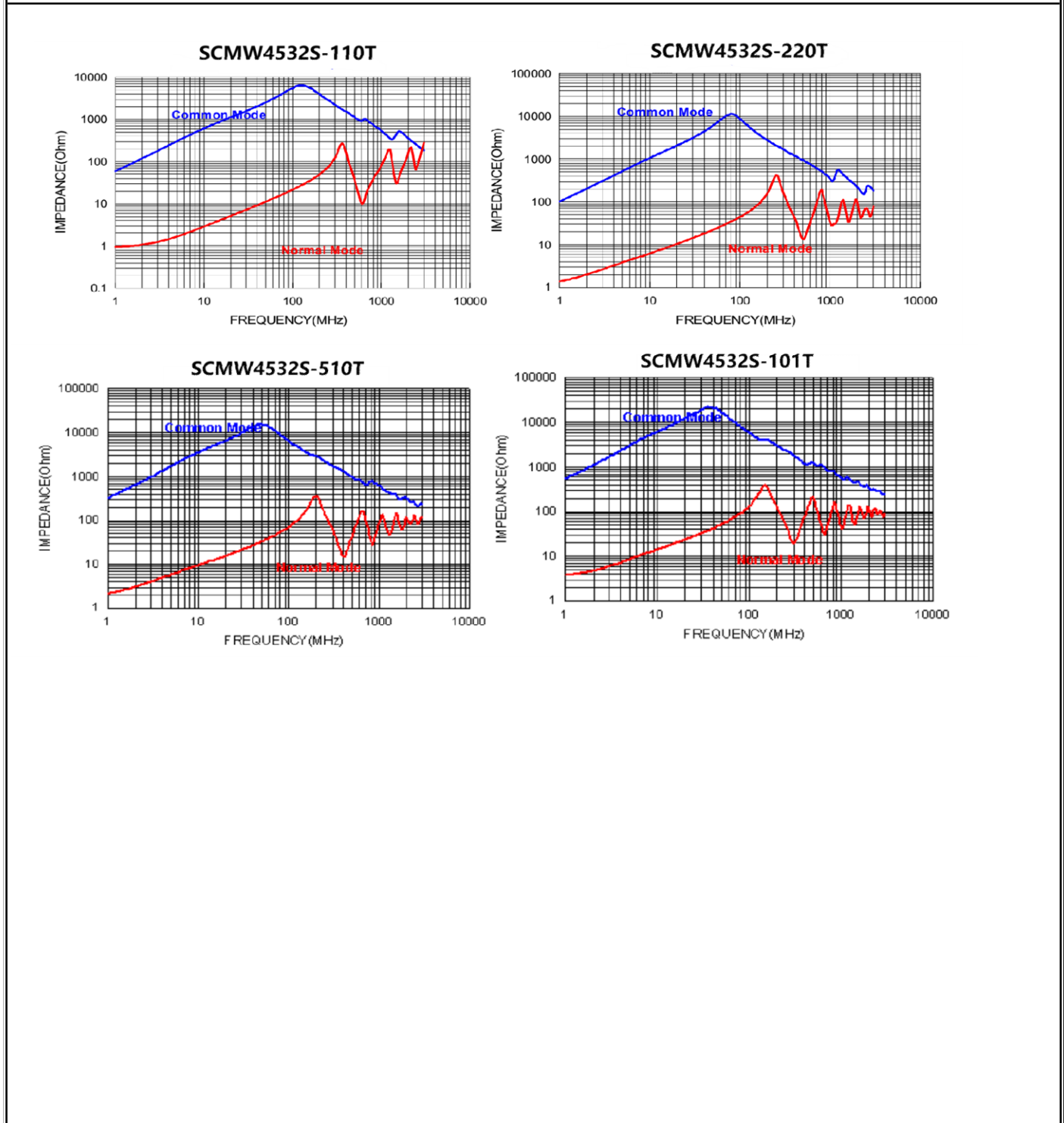
Temperature and humidity . After that , no mechanical and electrical defect should be found .

拟制	John	审核	Ruby	批准	Ruby
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## 八. 曲线图/CURVE



拟制	John	审核	Ruby	批准	Ruby
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