

产品承认书
SPECIFICATION FOR APPROVAL

客户名称
CUSTOMER NAME.

产品类型
PRODUCT TYPE

共模电感

客户料号
CUSTOMER P/N

SCML4020M-SERIES

料号
OURS P/N

SCML4020M-SERIES

文件编号
FILE NO.

批准 APPROVED	确认 CHECKED	作成 DESIGN
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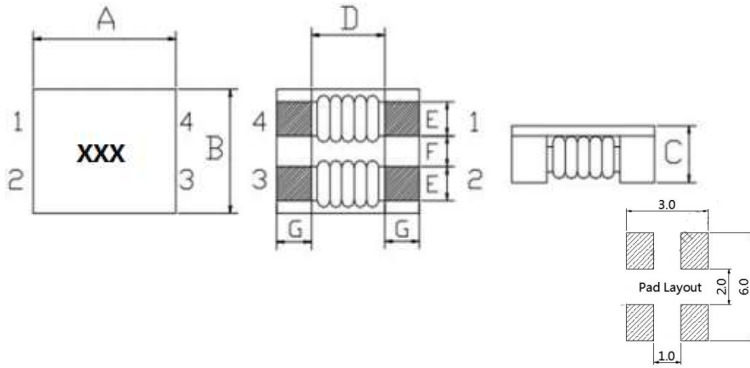
客户承认/CUSTOMER ACCEPTED		
承认 APPROVED	确认 CHECKED	承办 DESIGN
批注/REMARK		

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

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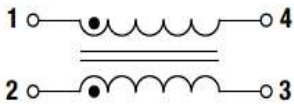
客户名称 CUSTOMER	0	客户品名 CUSTOMER P/N	SCML4020M-SERIES	版别 REV.	A
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一.外观图/DIMENSION (单位/UNIT: mm)



A	4.7±0.5
B	4.5±0.5
C	2.0Max
D	2.7Typ
E	0.8Typ
F	1.25Typ
G	1.0Typ

二. 电路图/CIRCUIT DIAGRAM



三. 电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Common mode Impedance (Ω@100MHZ)		DCR (mΩ) max.	IDC (A) max.	Rated Volt. (Vdc) max.	IR (Ω) min.	MARK
SCML4020M-900	60 Min	90 Typ	35	3.2	50	10M	900
SCML4020M-151	90 Min	150 Typ	40	3.1	50	10M	151
SCML4020M-231	180 Min	230 Typ	45	3.0	50	10M	231
SCML4020M-301	200 Min	300 Typ	45	3.0	50	10M	301
SCML4020M-401	300 Min	420 Typ	50	2.5	50	10M	401
SCML4020M-701	500 Min	700 Typ	59	2.2	50	10M	701
SCML4020M-901	650 Min	900 Typ	68	2.1	50	10M	901
SCML4020M-102	800 Min	1000 Typ	68	2.1	50	10M	102
SCML4020M-122	100 Min	1200 Typ	74	2.0	50	10M	122
SCML4020M-142	1200 Min	1400 Typ	81	1.9	50	10M	142

注明：

1. Rated Current : ΔT=40°C Typ.
2. I.R : 50V(DC)/0.5S
3. Operating Temperature:-40°C up to +125°C
4. Storage Temperature:-20°C up to +40°C, 75% RH max.

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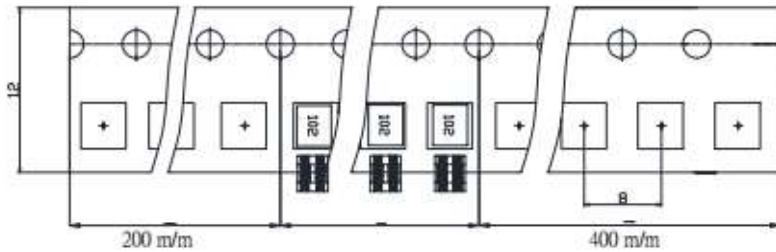
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四. 材料清单/MATERIAL LIST

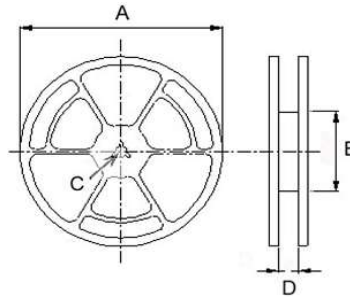
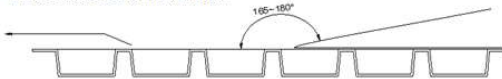
NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	FENGYIN OR EQ
2	COVER	MYLAR	AIMA OR EQ
3	WIRE	P180 Grd1	ELEKTRISOLA OR EQ
5	INK	BLACK	BON MARQUE OR EQ

五. 编带规格/TAPING SPECIFICATIONS



Transparent carrier and cover tape/透明载带和自粘上带

Adhesive strength of cover tape is 20 to 120 gf
The conduction band direction



Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
178	100	13	12.5	1000

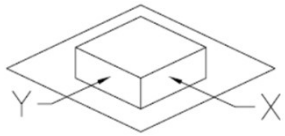
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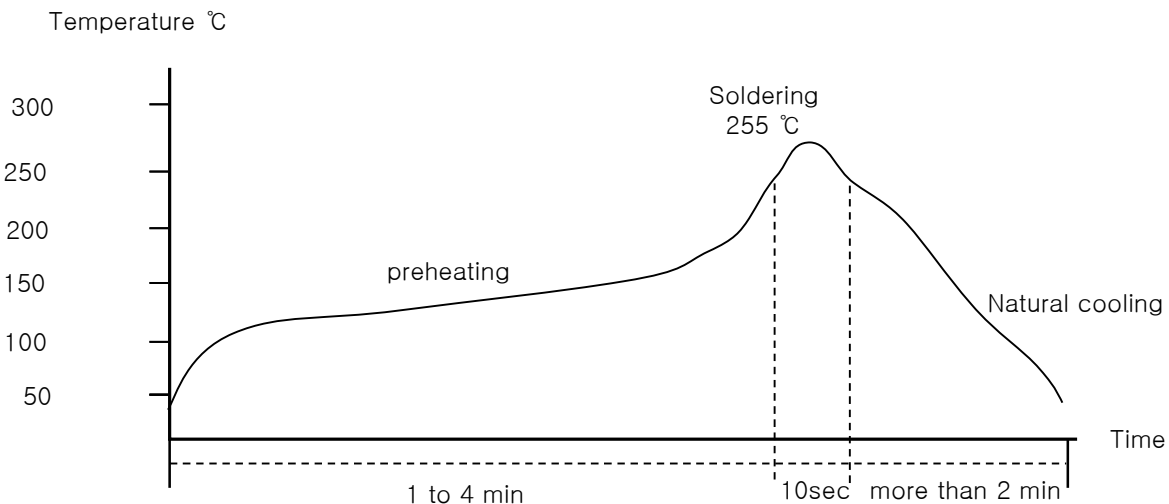
七. 可靠性测试/RELIABILITY TESTING

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



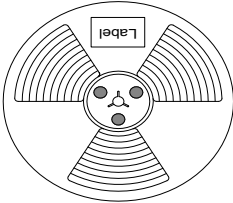
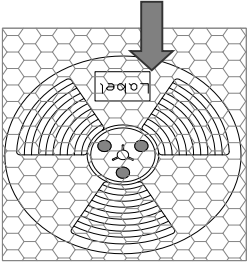
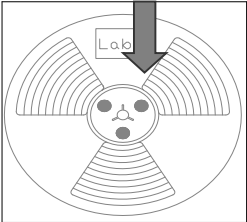
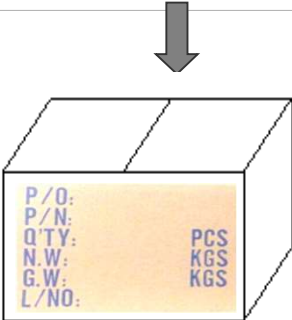
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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八. 包装方式/PACKING LIST

	<p>1、轮盘规格：7'(直径178mm) 数量：1000PCS/盘</p>				
	<p>2、数量：4000PCS/盒.</p>				
	<p>3、数量：4000PCS/袋</p>				
	<p>4、数量：40000PCS/箱. 作业说明：当尾数箱不足一整箱时需用内盒或填充物装满.</p>				
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