



川磊电子科技
ThreeLayer Technologies, Inc.
專業電感製造商

南充新川电子科技有限公司

ThreeLayer Scientific-Technics Co.,Ltd



产品承认书

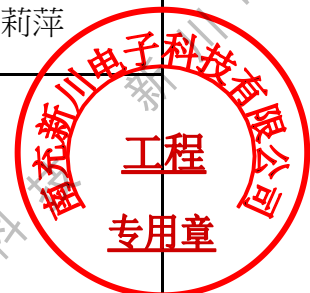
SPECIFICATION FOR APPROVAL

客户名称 <i>CUSTOMER NAME</i>	-----
产品类型 <i>PRODUCT TYPE</i>	High Current Cube Inductor
客户料号 <i>CUSTOMER PN</i>	-----
新川料号 <i>OURS PN</i>	CLSQ-1009B-SERIES
文件编号 <i>FILE NO.</i>	SP-21071403

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>		

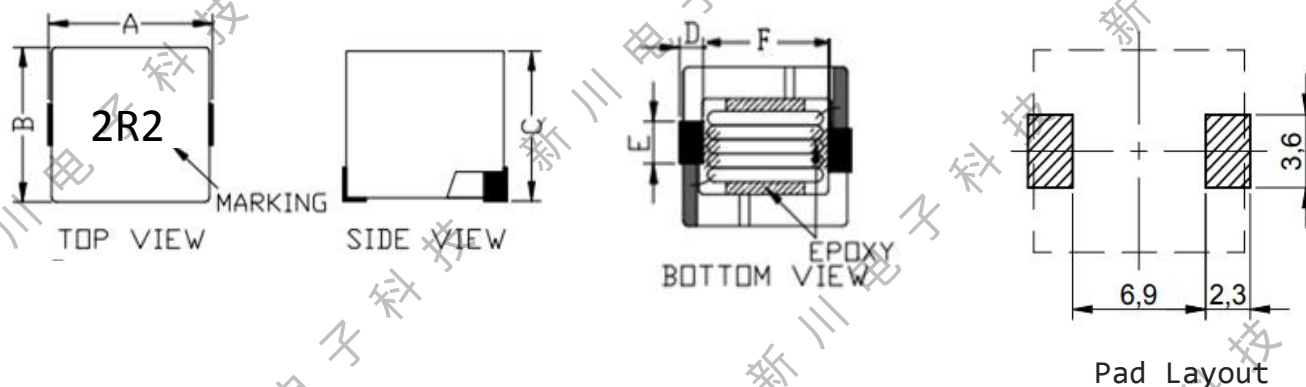
批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
程志华	何利	张莉萍

生产工厂：南充川磊电子科技有限公司
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地 址：四川省南充市顺庆区潞华工业园区华生东路



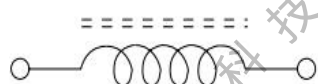
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	High Current Cube Inductor	新川品名 OURS P/N	CLSQ-1009B-SERIES	文件编号 FILE NO.	SP-21071403

一.外观图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F			
DIM	10.9	10.0	9.3	1.6	3.0	7.5			
TOLE	±0.4	±0.4	±0.4	±0.3	±0.3	Typ			

二.电路图/CIRCUIT DIAGRAM



三.注意事项/NOTE :

- 1.印字：黑色
- 2.平整度：0.12MM MAX

四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance (uH) ±20%	Test Frequency	Rdc (mΩ) Max	IDC 1 (A) Typ	IDC 2 (A) Typ	MARK
CLSQ-1009B-R22M	0.22	100KHz/1V	1.6	90.0	21.5	R22
CLSQ-1009B-R33M	0.33	100KHz/1V	1.6	51.0	21.0	R33
CLSQ-1009B-R47M	0.47	100KHz/1V	1.9	46.5	20.5	R47
CLSQ-1009B-R68M	0.68	100KHz/1V	2.7	41.4	20.0	R68
CLSQ-1009B-R82M	0.82	100KHz/1V	3.0	36.8	19.5	R82
CLSQ-1009B-1R0M	1.0	100KHz/1V	3.5	26.5	19.0	1R0
CLSQ-1009B-1R5M	1.5	100KHz/1V	4.0	26.0	18.0	1R5

承认书/SPECIFICATION FOR APPROVAL

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四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance (uH) ±20%	Test Frequency	Rdc (mΩ) Max	IDC 1 (A) Typ	IDC 2 (A) Typ	MARK
CLSQ-1009B-2R2M	2.2	100KHz/1V	4.8	22.5	16.5	2R2
CLSQ-1009B-3R3M	3.3	100KHz/1V	7.2	19.3	14.0	3R3
CLSQ-1009B-4R7M	4.7	100KHz/1V	9.9	15.0	13.0	4R7
CLSQ-1009B-6R8M	6.8	100KHz/1V	15.0	12.4	11.5	6R8
CLSQ-1009B-8R2M	8.2	100KHz/1V	17.0	9.3	11.0	8R2
CLSQ-1009B-100M	100.0	100KHz/1V	23.0	9.0	9.0	100

(1).IDC1: The current will cause L0A to drop approximately 30% typical.

(2).IDC2: The current will cause the coil temperature rise approximately 40°C

(3).Operating Temperature: -40°C up to +125°C

(4).Storage Temperature: -20°C up to +45°C, 75% RH max.

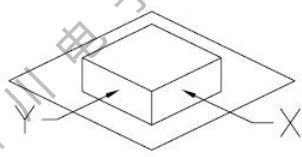
五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CLIP	C1100
3	WIRE	1PEW-F
4	SOLDER	107H
5	ADHESIVE	EPOXY
6	INK	BLACK

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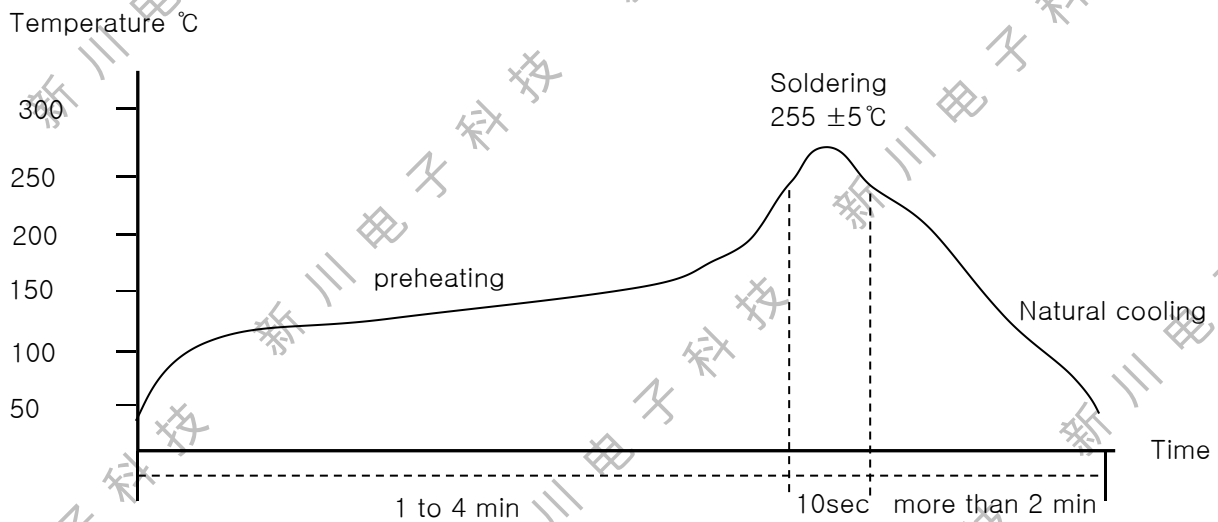
八.可靠性测试/RELIABILITY TESTING

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

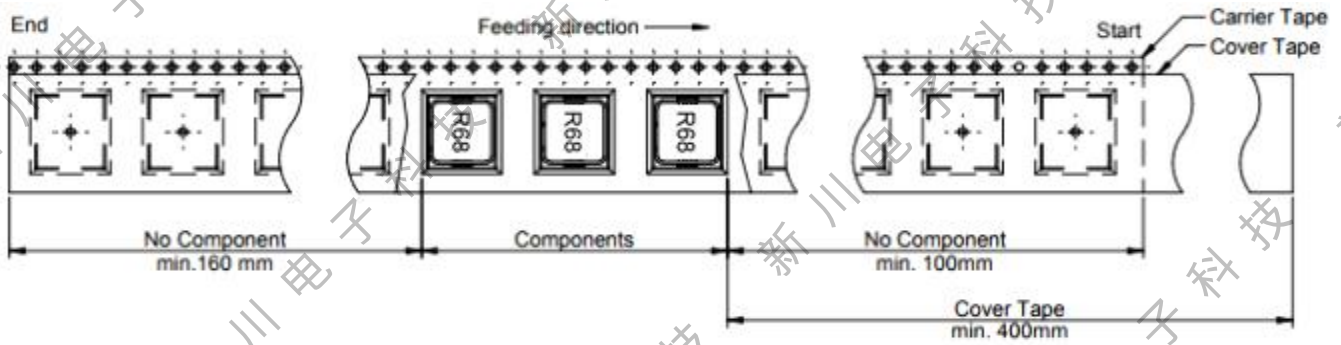
IR Reflow profile



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

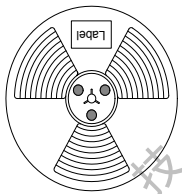
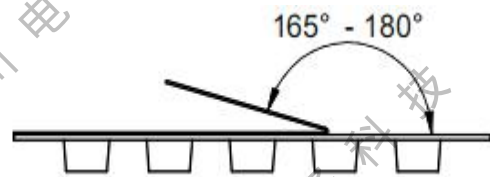
客户名称 CUSTOMER	----	客户品名 CUSTOMER P/N	----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Shielded Power Inductors	川磊品名 OURS P/N	CDRI-105A- SERIES	文件编号 FILE NO.	SP-21070613

七.包装方式/PACKING LIST

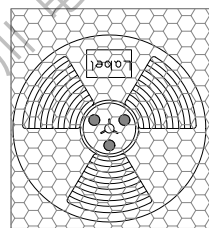


Transparent carrier and cover tape/透明载带和自粘上带

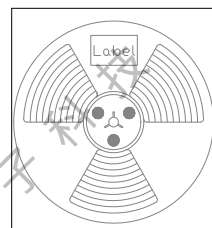
Tape width	Distance	Pull-of force
24 mm	16 mm	20~100g



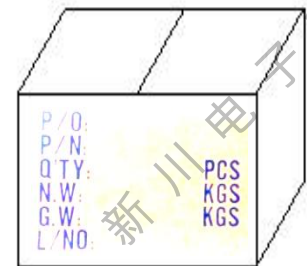
轮盘：13'(直径330mm)
数量：400PCS/盘



PE袋
数量：400PCS/袋



内盒
数量：800PCS/盒



外箱，数量：4000PCS/箱
不足整箱用内盒或填充物
装满