



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

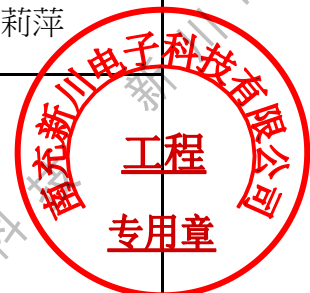
SPECIFICATION FOR APPROVAL

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-0807B-SERIES
文件编号 <i>FILE NO.</i>	SP-21071402

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

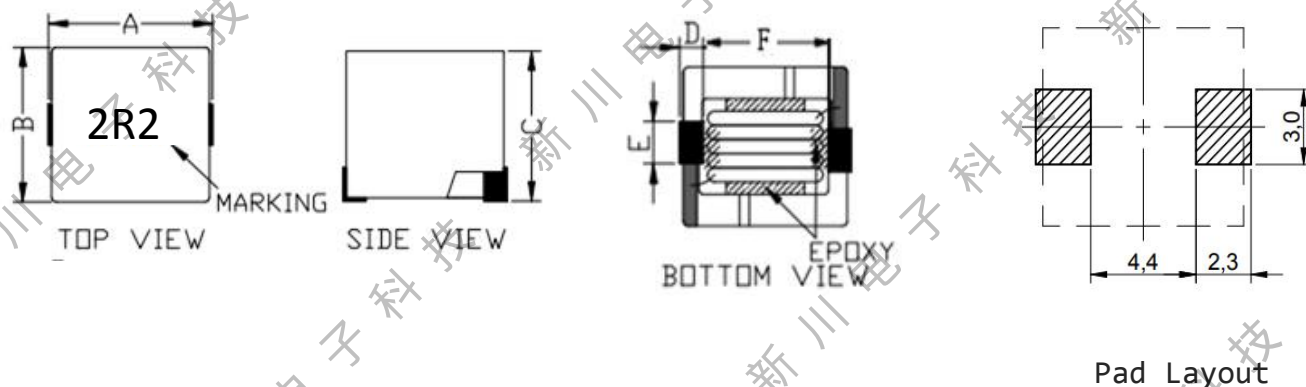
生产工厂：南充川磊电子科技有限公司  
销售公司：南充新川电子科技有限公司  
业务专线：0817-2111163/18681773184  
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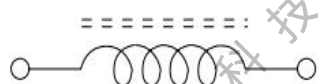
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	High Current Cube Inductor	新川品名 OURS P/N	CLSQ-0807B-SERIES	文件编号 FILE NO.	SP-21071402

一.外观图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F			
DIM	8.4	7.9	7.2	1.5	2.3	5.4			
TOLE	±0.4	±0.3	±0.3	±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-0807B-R30M	0.3	100KHz/1V	2.7	40.3	20.5	R30
CLSQ-0807B-R47M	0.47	100KHz/1V	3.1	31.3	19	R47
CLSQ-0807B-R68M	0.68	100KHz/1V	3.3	23.0	18	R68
CLSQ-0807B-1R0M	1.0	100KHz/1V	3.9	21.0	17	1R0
CLSQ-0807B-1R5M	1.5	100KHz/1V	5.6	18.5	16.5	1R5
CLSQ-0807B-2R2M	2.2	100KHz/1V	6.5	112.9	15	2R2
CLSQ-0807B-3R3M	3.3	100KHz/1V	8.2	10.8	14	3R3

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-0807B-4R7M	4.7	100KHz/1V	13.5	9.5	7.5	4R7
CLSQ-0807B-6R8M	6.8	100KHz/1V	24.0	8.3	5.5	6R8
CLSQ-0807B-100M	6.8	100KHz/1V	41.0	7.3	4.4	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.

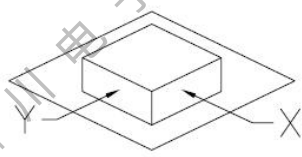
五.材料清单/MATERIAL LIST

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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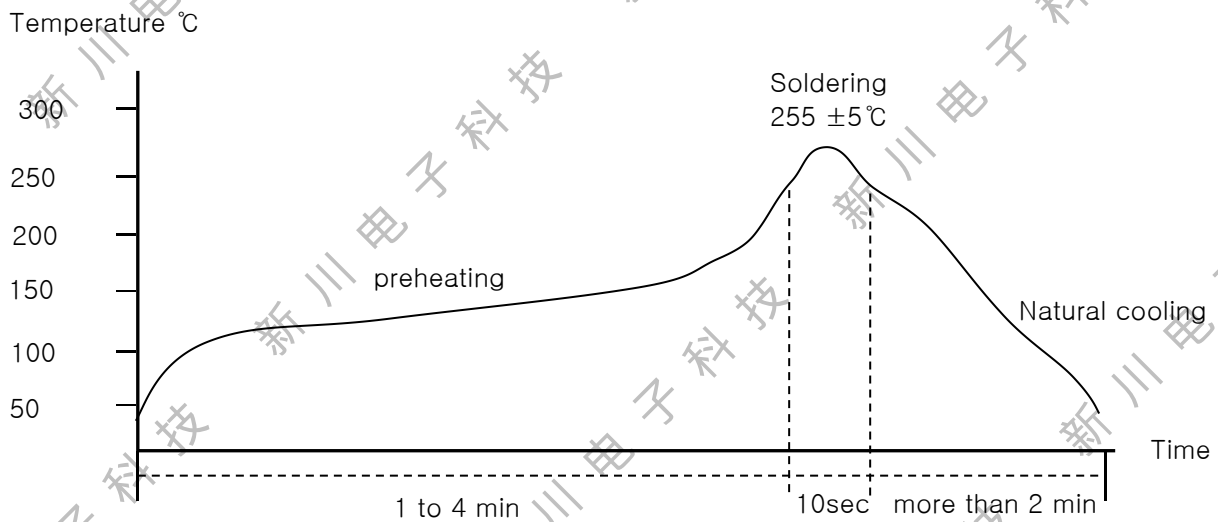
八.可靠性测试/RELIABILITY TESTING

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

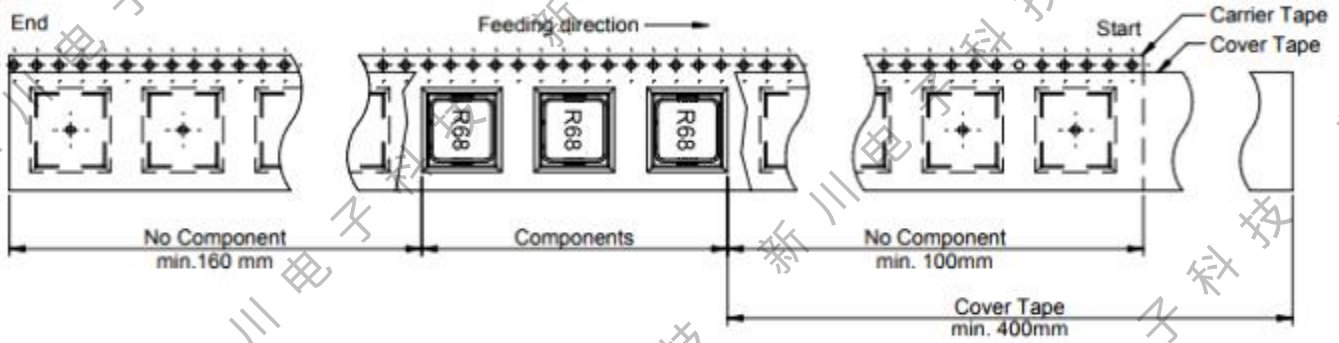
IR Reflow profile



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

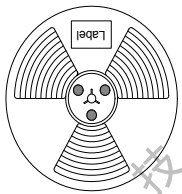
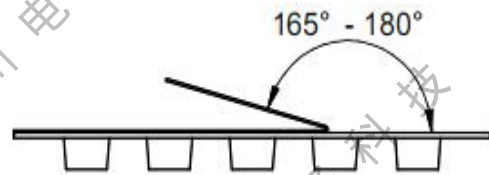
客户名称 CUSTOMER	----	客户品名 CUSTOMER P/N	----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Shielded Power Inductors	川磊品名 OURS P/N	CDRI-105A- SERIES	文件编号 FILE NO.	SP-21070613

七.包装方式/PACKING LIST

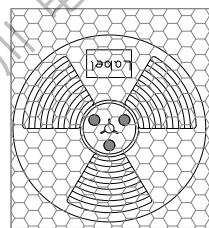


Transparent carrier and cover tape/透明载带和自粘上带

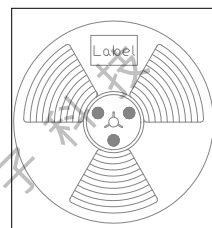
Tape width	Distance	Pull-of force
24 mm	16 mm	20~100g



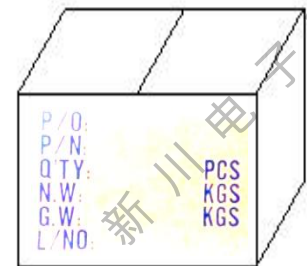
轮盘：13'(直径330mm)  
数量：500PCS/盘



PE袋  
数量：500PCS/袋



内盒  
数量：1000PCS/盒



外箱，数量：5000PCS/箱  
不足整箱用内盒或填充物  
装满