



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 -----  
*CUSTOMER NAME.*

产品类型 High Current Inductor  
*PRODUCT TYPE*

客户料号 -----  
*CUSTOMER P/N*

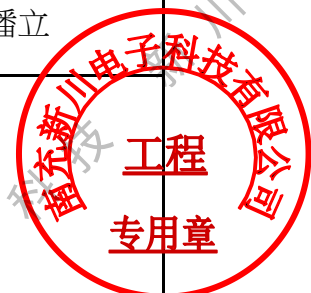
川磊料号 CLSI-400404 SERIES  
*OURS P/N*

文件编号 SP-18102601  
*FILE NO.*

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

批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
程志华	陈尧	潘立

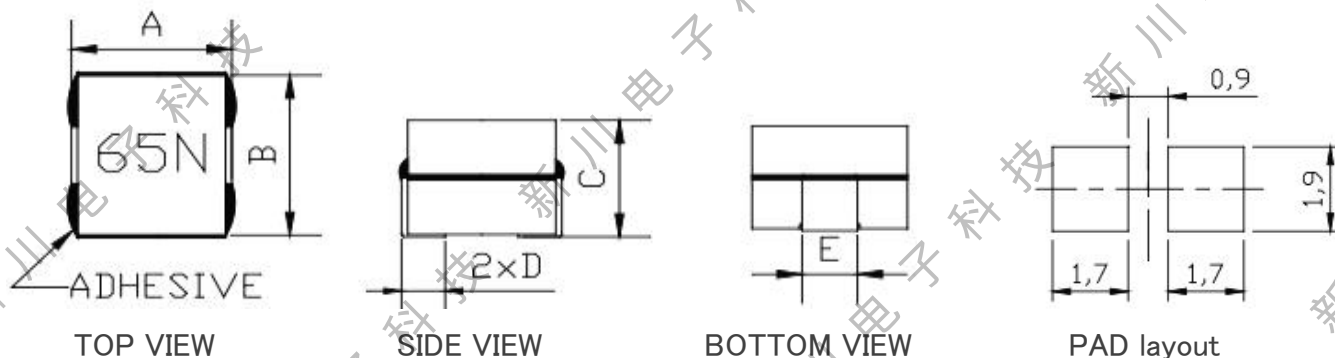
生产工厂：南充川磊电子科技有限公司  
销售公司：南充新川电子科技有限公司  
业务专线：0817-2111163/18681773184  
邮 件：threelayer\_sales@163.com  
地 址：四川省南充市顺庆区潞华工业园区华生东路





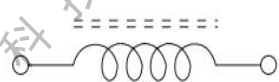
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	A
产品类型 PRODUCT TYPE	High Current Inductor	新川品名 OURS P/N	CLSI-400404 SERIES	文件编号 FILE NO.	SP-18102601

一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E				
DIM	4.0	4.0	4.0	1.2	1.4				
TOLE	Max	Max	Max	±0.2	±0.2				

二.电路图/CIRCUIT DIAGRAM



三.注意事项/NOTE :

1.印字 : 黑色

四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance (nH)	Tolerance	Test Frequency(Hz)	DCR(mΩ) ±25%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CLSI-400404-22N□	22	M N	100K/0.1V	0.32	40	19.0	22N
CLSI-400404-50N□	50	M N	100K/0.1V	0.32	29	19.0	50N
CLSI-400404-65N□	65	M N	100K/0.1V	0.32	24	19.0	65N
CLSI-400404-80N□	80	M N	100K/0.1V	0.32	22	19.0	80N
CLSI-400404-R10□	100	M N	100K/0.1V	0.32	17	19.0	R10

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A ≤ 20% MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

(5).Storage temp.: -20°C up to +40°C, 75% RH max.

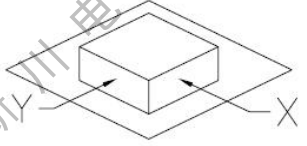
五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CLIP	C1100 P2
3	ADHESIVE	5890
4	INK	WHITE

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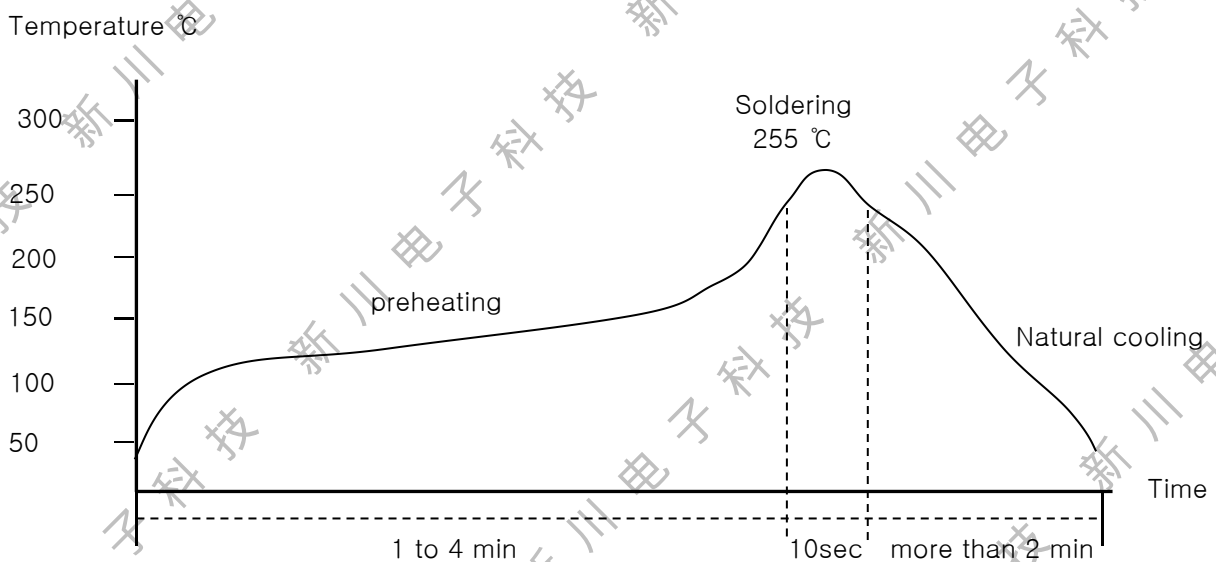
六.可靠性测试/RELIABILITY TESTING

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

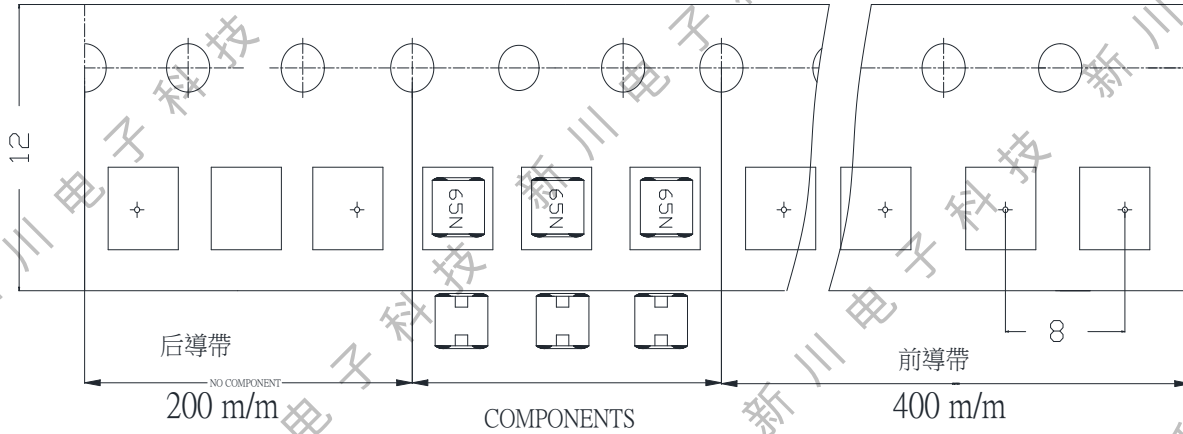
IR Reflow profile



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

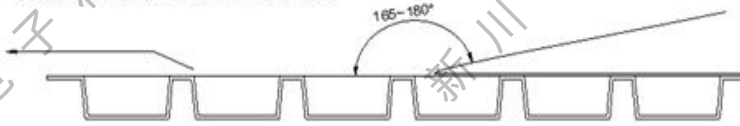
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七.编带规格/TAPING SPECIFICATIONS

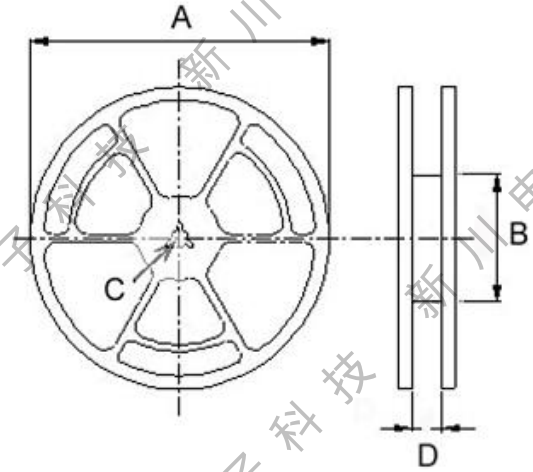


Transparent carrier and cover tape/透明载带和自粘上带

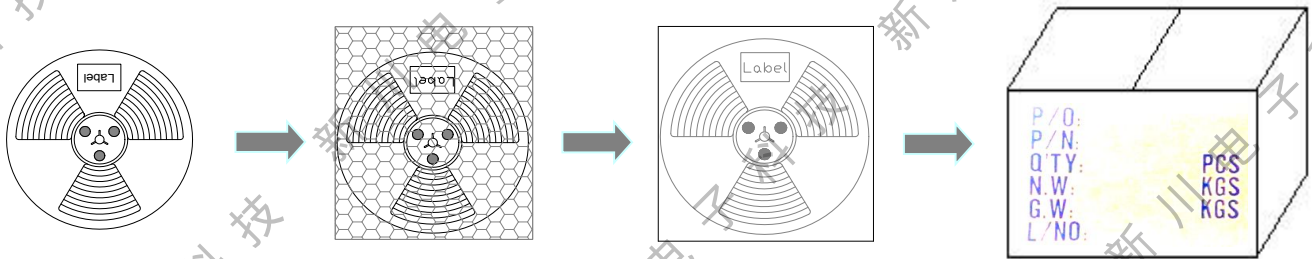
Adhesive strength of cover tape is 20 to 120 gf  
The conduction band direction



Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	12.5	1800



八.包装方式/PACKING LIST



轮盘：13"(直径330mm)  
数量：1800PCS/盘

PE袋  
数量：1800PCS/袋

内盒  
数量：7200PCS/盒

外箱，数量：36000PCS/箱  
不足整箱用内盒或填充物  
装满