



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

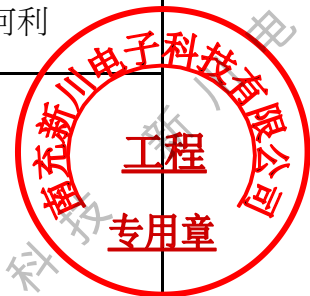


产品承认书

SPECIFICATION FOR APPROVAL

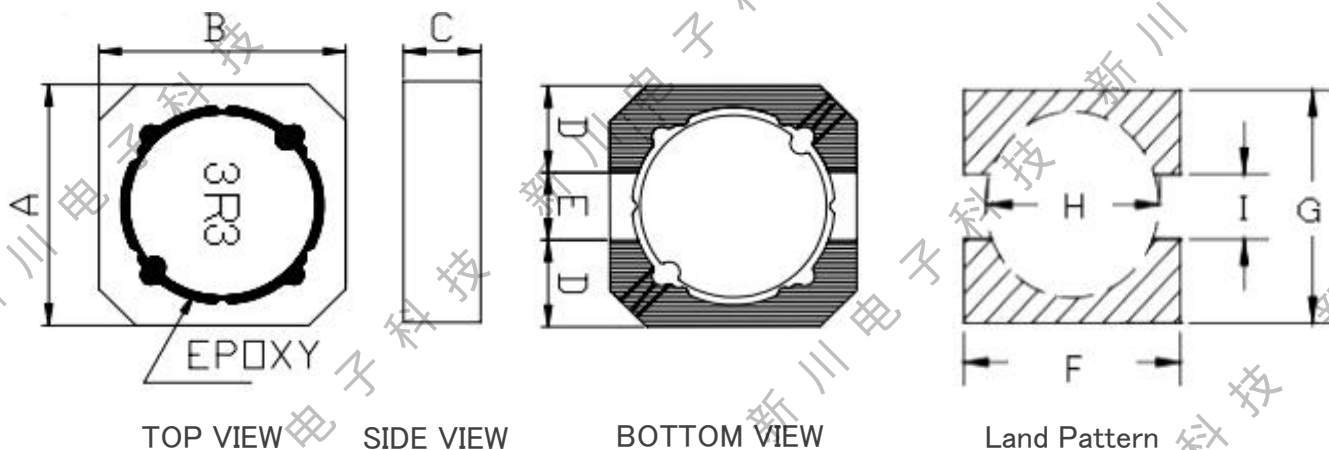
客户名称 <i>CUSTOMER NAME.</i>	-----
产品类型 <i>PRODUCT TYPE</i>	Shielded Power Inductors
客户料号 <i>CUSTOMER P/N</i>	-----
川磊料号 <i>OURS P/N</i>	CLPS-3030 SERIES
文件编号 <i>FILE NO.</i>	SP-19070801

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	何春艳	何利
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		



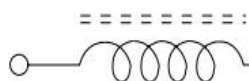
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一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F	G	H	I
DIM	3.0	3.0	3.0	0.9	1.2	3.3	3.3	2.2	1.0
TOLE	±0.2	±0.2	Max	Typ	Typ	Typ	Typ	Typ	Typ

二.电路图/CIRCUIT DIAGRAM



三.注意事项/NOTE :

1.印字 : 白色Gulim字体

四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) Max	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CLPS-3030-R30□	0.3	N	100K/0.1V	18	5.7	3.90	R30
CLPS-3030-R47□	0.47	N	100K/0.1V	23	4.7	3.30	R47
CLPS-3030-R72□	0.72	N	100K/0.1V	28	4	3.00	R72
CLPS-3030-1R2□	1.2	M N	100K/0.1V	42	3	2.60	1R2
CLPS-3030-2R2□	2.2	M N	100K/0.1V	66	2.4	1.80	2R2
CLPS-3030-3R3□	3.3	M N	100K/0.1V	101	1.8	1.50	3R3
CLPS-3030-4R7□	4.7	M N	100K/0.1V	120	1.7	1.35	4R7
CLPS-3030-6R8□	6.8	M N	100K/0.1V	165	1.3	1.10	6R8
CLPS-3030-100□	10	M N	100K/0.1V	190	1.1	1.00	100
CLPS-3030-150□	15	M N	100K/0.1V	400	0.9	0.72	150
CLPS-3030-220□	22	M N	100K/0.1V	575	0.75	0.50	220

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四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) Max	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CLPS-3030-270□	27	M N	100K/0.1V	796	0.67	0.45	270
CLPS-3030-330□	33	M N	100K/0.1V	960	0.62	0.40	330

- (1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)
- (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	WIRE	P180 Grd1
3	ADHESIVE	XNR3614
4	INK	WHITE

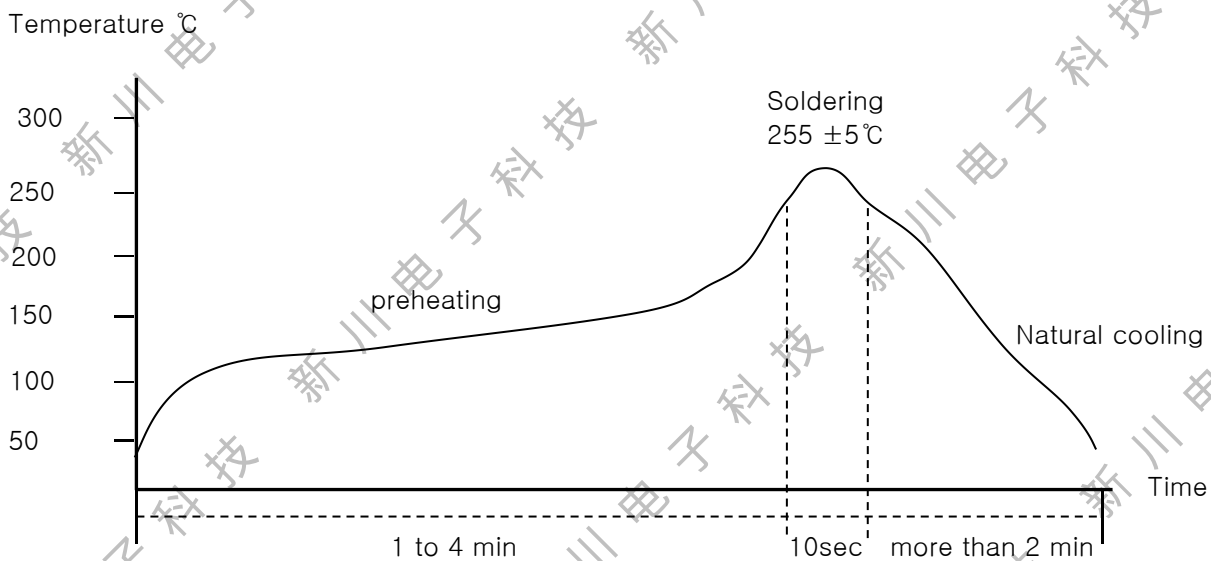
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六.可靠性测试/RELIABILITY TESTING

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%

A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

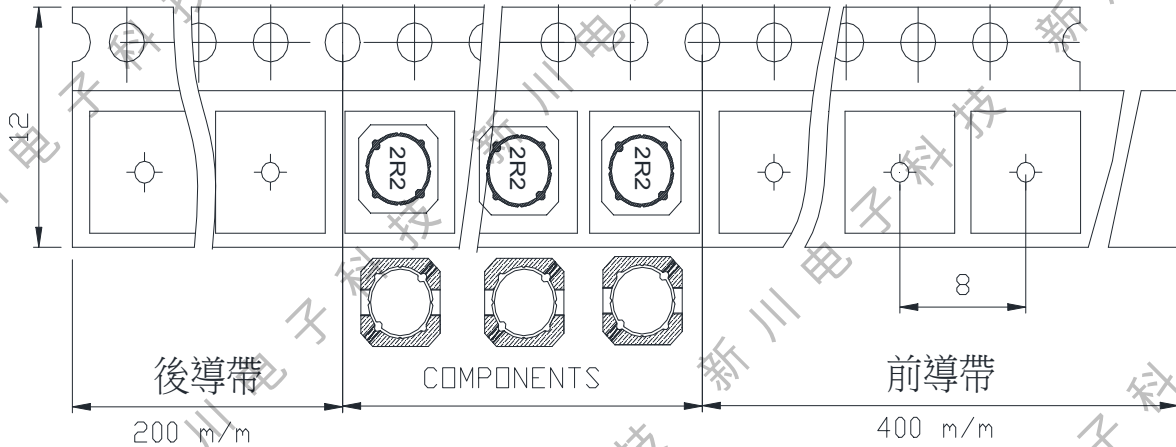
IR Reflow profile



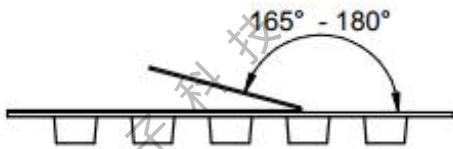
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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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

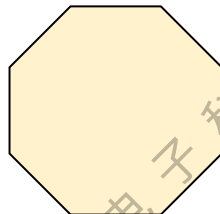


Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g

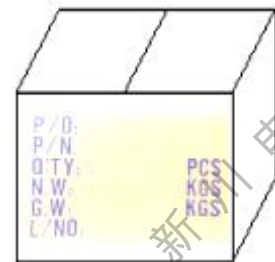
八.包装方式/PACKING LIST



轮盘：7'(直径178mm)
数量：500PCS/盘



内盒/PE袋
数量：2000PCS/盒



外箱：数量：20000PCS/箱
不足整箱用内盒或填充物装满