



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
PRODUCT TYPE Shielded Power Inductors

客户料号
CUSTOMER P/N -----

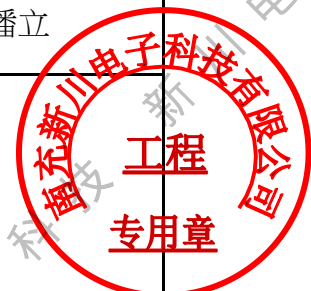
川磊料号
OURS P/N CLPS-4025 SERIES

文件编号
FILE NO. SP-21070602

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	陈尧	潘立

生产工厂：南充川磊电子科技有限公司
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承认书/SPECIFICATION FOR APPROVAL

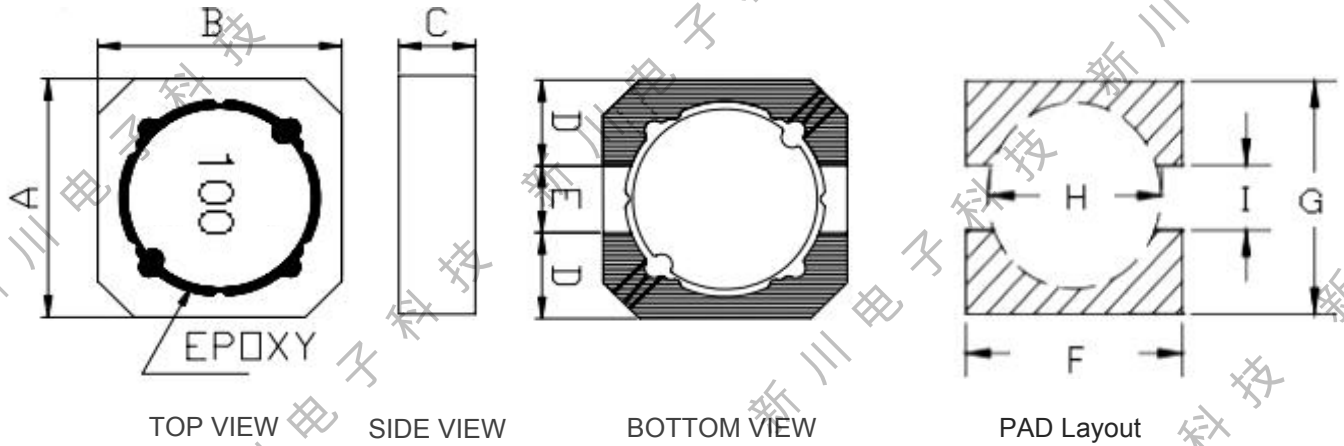
客户名称 CUSTOMER	-----	客户产品名 CUSTOMER P/N	-----	版别 REV.	A
产品类型 PRODUCT TYPE	Shielded Power Inductors	新川品名 OURS P/N	CLPS-4025 SERIES	文件编号 FILE NO.	SP-21070602

修改记录/MODIFY RECORDS

版别 REV.	变更编号 ECN NO.	修改内容 MODIFY CONTENT	拟制 DRAWING	审核 CHECKED	批准 APPROVED
A		新发行	潘立	陈尧	程志华

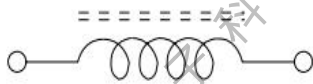
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一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F	G	H	I
DIM	4.0	4.0	2.5	1.1	1.8	4.4	4.4	2.9	1.8
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 (Ω) Max	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CLPS-4025-1R2□	1.2	N	100K/0.1V	25m	2.70	3.00	1R2
CLPS-4025-4R7□	4.7	M N	100K/0.1V	75m	1.60	1.80	4R7
CLPS-4025-6R8□	6.8	M N	100K/0.1V	0.1	1.40	1.70	6R8
CLPS-4025-560□	56	M N	100K/0.1V	1.43	0.40	0.55	560
CLPS-4025-680□	68	M N	100K/0.1V	2.15	0.35	0.45	680
CLPS-4025-820□	82	M N	100K/0.1V	2.35	0.30	0.30	820
CLPS-4025-101□	100	M N	100K/0.1V	2.5	0.25	0.25	101

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四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (Ω) Max	IDC1 (A) Max.	IDC2 (A) Max.	MARK

- (1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)
- (2).IDC1:Base on temp.rise & ΔL/L0A ≤ 30% 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.

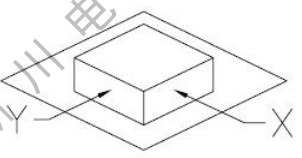
五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	WIRE	P180 Grd1
3	ADHESIVE	XNR3614
4	INK	WHITE

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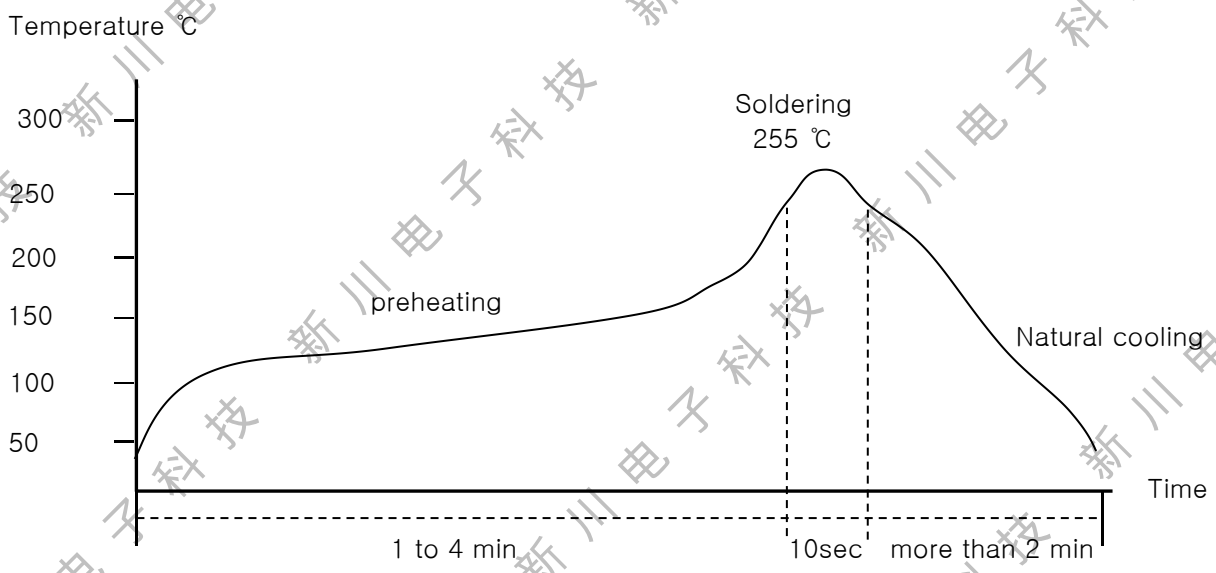
六.可靠性测试/RELIABILITY TESTING

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
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

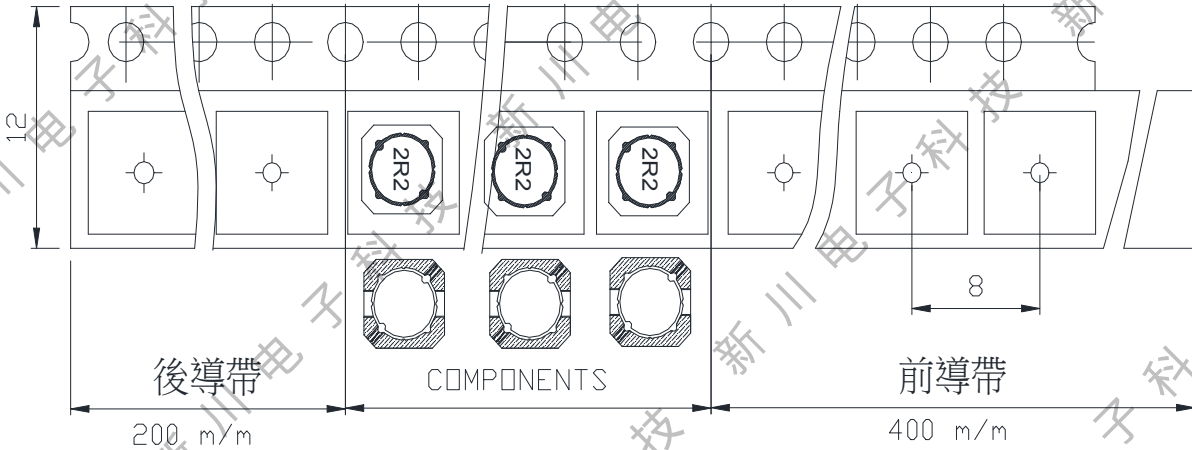
IR Reflow profile



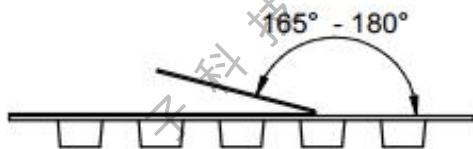
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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七.编带规格/TAPING SPECIFICATIONS

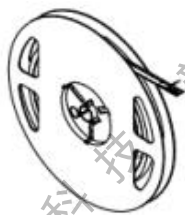


Transparent carrier and cover tape/透明载带和自粘上带

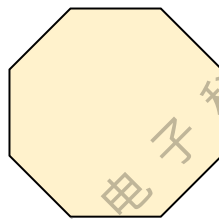


Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g

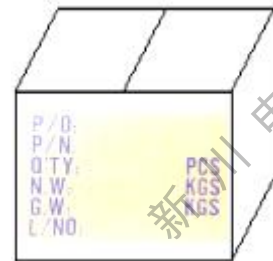
八.包装方式/PACKING LIST



轮盘：7'(直径178mm)
数量：800PCS/盘



内盒/PE袋
数量：3200PCS/盒



外箱，数量：32000PCS/箱
不足整箱用内盒或填充物装满