



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 PN	-----
川磊料号 OURS PN	CLPS-4012 SERIES
文件编号 FILE NO.	SP-21070601

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

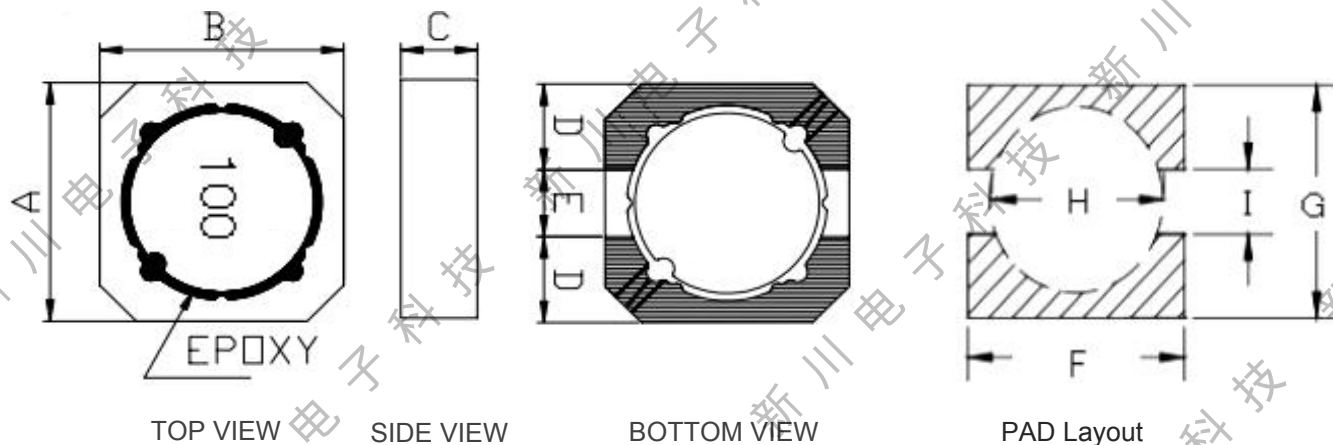
批准 APPROVED	确认 CHECKED	作成 DESIGN
程志华	陈尧	潘立

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：three_layer_sales@163.com
地 址：四川省南充市顺庆区潞华工业园区华生东路



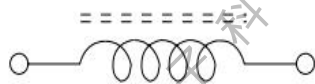
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	A
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一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F	G	H	I
DIM	4.0	4.0	1.2	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 (mΩ) Max	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CLPS-4012-R33□	0.33	N	100K/0.1V	23	5.60	3.70	R33
CLPS-4012-R47□	0.47	N	100K/0.1V	45	4.00	2.50	R47
CLPS-4012-1R0□	1.0	N	100K/0.1V	60	2.80	2.40	1R0
CLPS-4012-1R5□	1.5	N	100K/0.1V	70	2.50	2.20	1R5
CLPS-4012-2R2□	2.2	N	100K/0.1V	100	2.10	1.75	2R2
CLPS-4012-3R3□	3.3	N	100K/0.1V	130	1.50	1.45	3R3
CLPS-4012-4R7□	4.7	M N	100K/0.1V	175	1.40	1.30	4R7
CLPS-4012-5R6□	5.6	M N	100K/0.1V	260	1.30	1.10	5R6
CLPS-4012-6R8□	6.8	M N	100K/0.1V	340	1.20	0.98	6R8

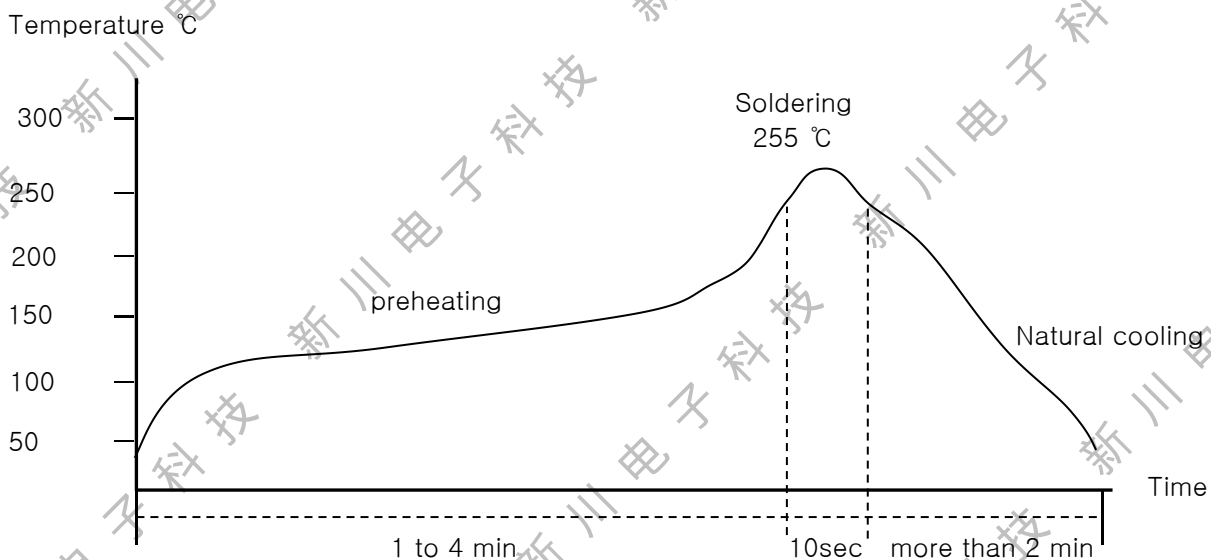
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六.可靠性测试/RELIABILITY TESTING

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

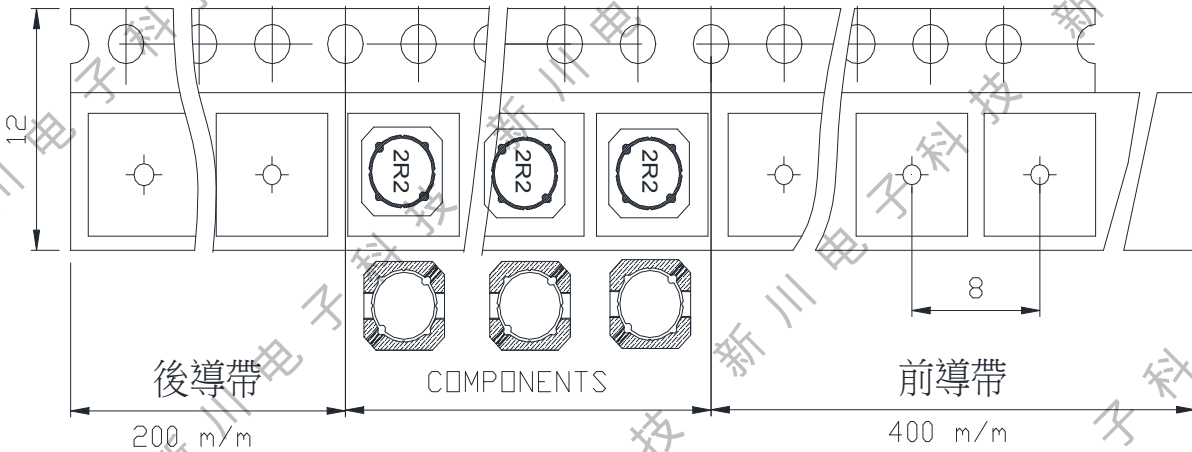
IR Reflow profile



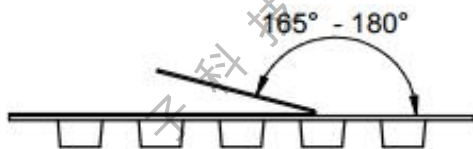
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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七.编带规格/TAPING SPECIFICATIONS

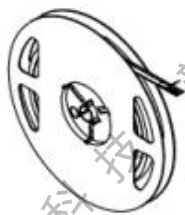


Transparent carrier and cover tape/透明载带和自粘上带

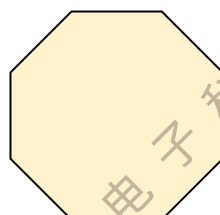


Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g

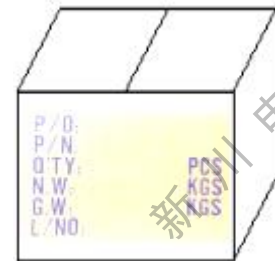
八.包装方式/PACKING LIST



轮盘：7'(直径178mm)
数量：1000PCS/盘



内盒/PE袋
数量：4000PCS/盒



外箱，数量：40000PCS/箱
不足整箱用内盒或填充物装满