



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

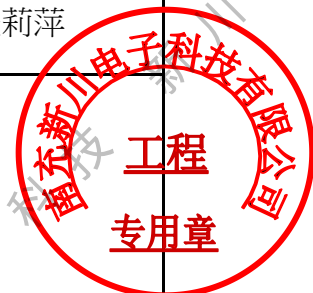
SPECIFICATION FOR APPROVAL

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 PN</i>	-----
新川料号 <i>OURS PN</i>	CDRI-3D18-SERIES
文件编号 <i>FILE NO.</i>	SP-21072102

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

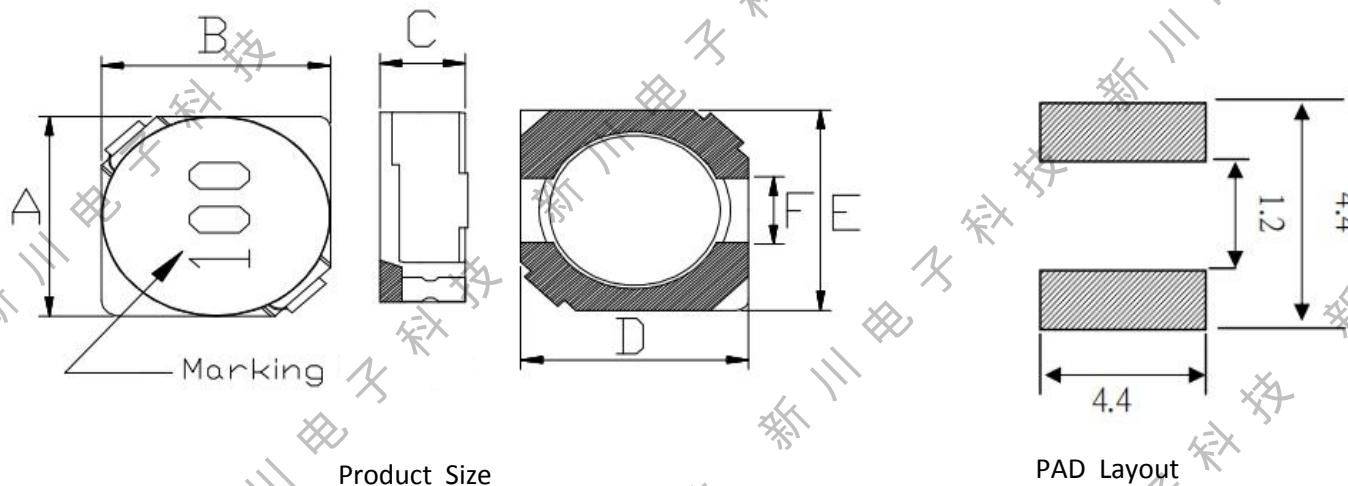
批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
程志华	陈丽丽	张莉萍

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
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客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
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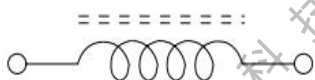
一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F		
DIM	3.8	3.8	1.8	3.7	3.7	1.2		
TOLE	±0.2	±0.2	±0.2	Typ	Typ	Typ		

二.电路图/CIRCUIT DIAGRAM

三.注意事项/NOTE :



1.印字：黑色

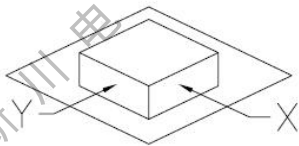
四.电气特性/ELECTRICAL CHARACTERISTIC

Part Nuber	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (Ω) Max.	IDC (A)	MARK
CDRI-3D18-1R0□	1.0	N	100KHz/0.1V	50m	2.00	1R0
CDRI-3D18-1R5□	1.5	N	100KHz/0.1V	55m	1.80	1R5
CDRI-3D18-2R2□	2.2	N	100KHz/0.1V	63m	1.30	2R2
CDRI-3D18-3R3□	3.3	N	100KHz/0.1V	69m	1.20	3R3
CDRI-3D18-4R7□	4.7	N	100KHz/0.1V	0.107	0.80	4R7
CDRI-3D18-100□	10	M N	100KHz/0.1V	0.205	0.70	100
CDRI-3D18-220□	22	M N	100KHz/0.1V	0.42	0.65	220
CDRI-3D18-330□	33	M N	100KHz/0.1V	0.76	0.38	330
CDRI-3D18-221□	220	M N	100KHz/0.1V	3.80	0.10	221

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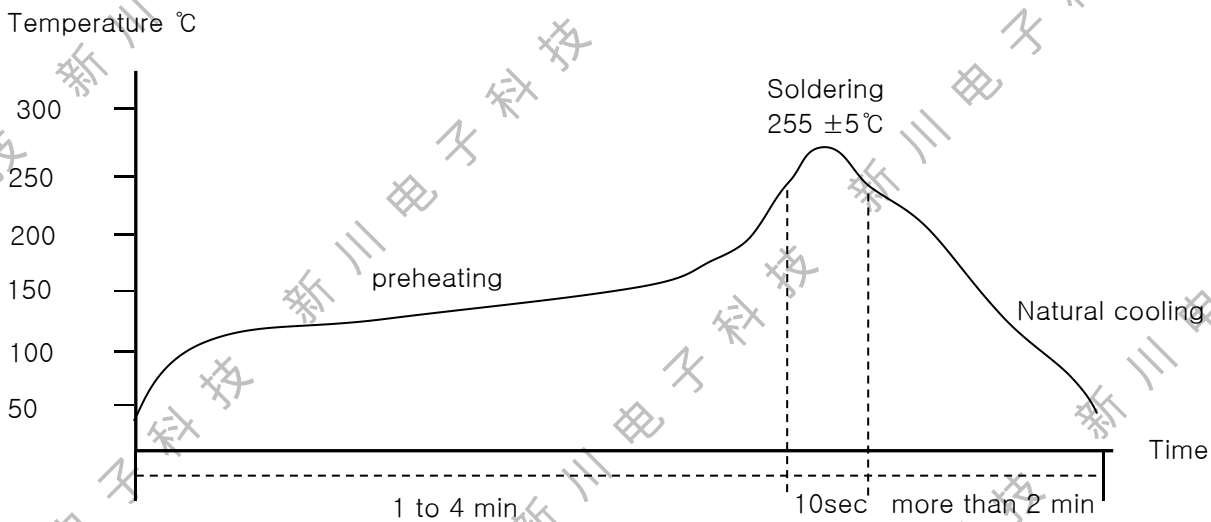
六.可靠性测试/RELIABILITY TESTING

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

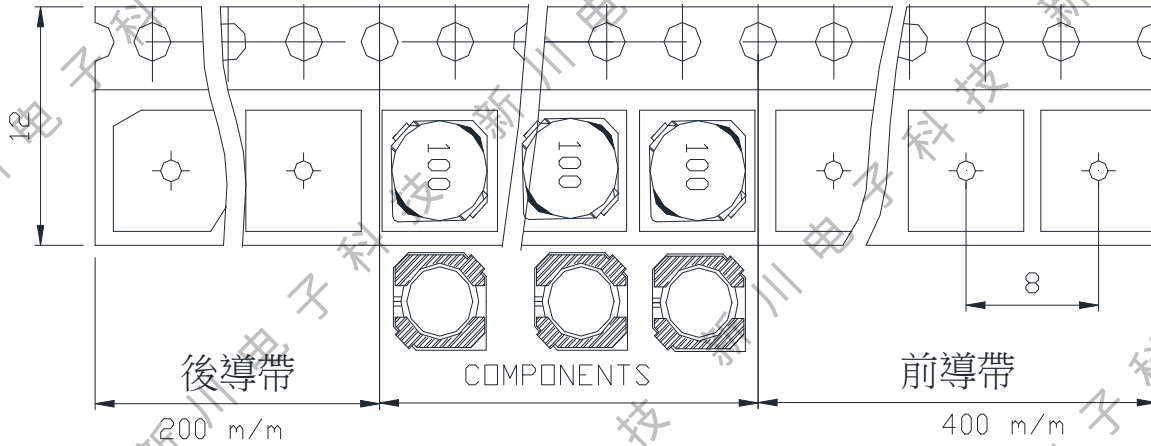
IR Reflow profile



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

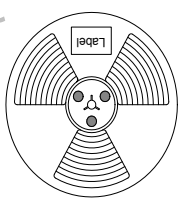
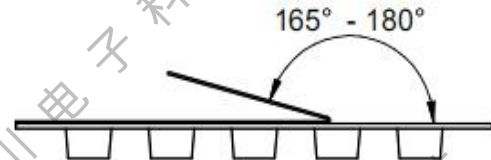
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七.包装方式/PACKING LIST

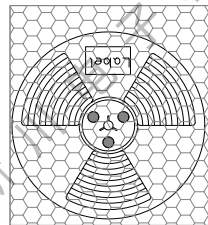


Transparent carrier and cover tape/透明载带和自粘上带

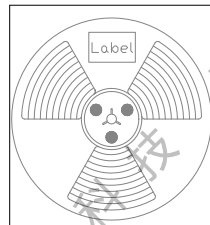
Tape width	Distance	Pull-of force
12 mm	8 mm	20~100g



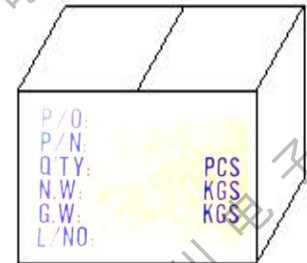
轮盘：13'(直径330mm)
数量：3500PCS/盘



PE袋
数量：3500PCS/袋



内盒
数量：14000PCS/盒



外箱，数量：70000PCS/箱
不足整箱用内盒或填充物装满