



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

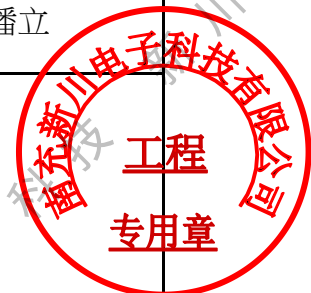
SPECIFICATION FOR APPROVAL

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>	CDRI-5030F SERIES
文件编号 <i>FILE NO.</i>	SP-18121704

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

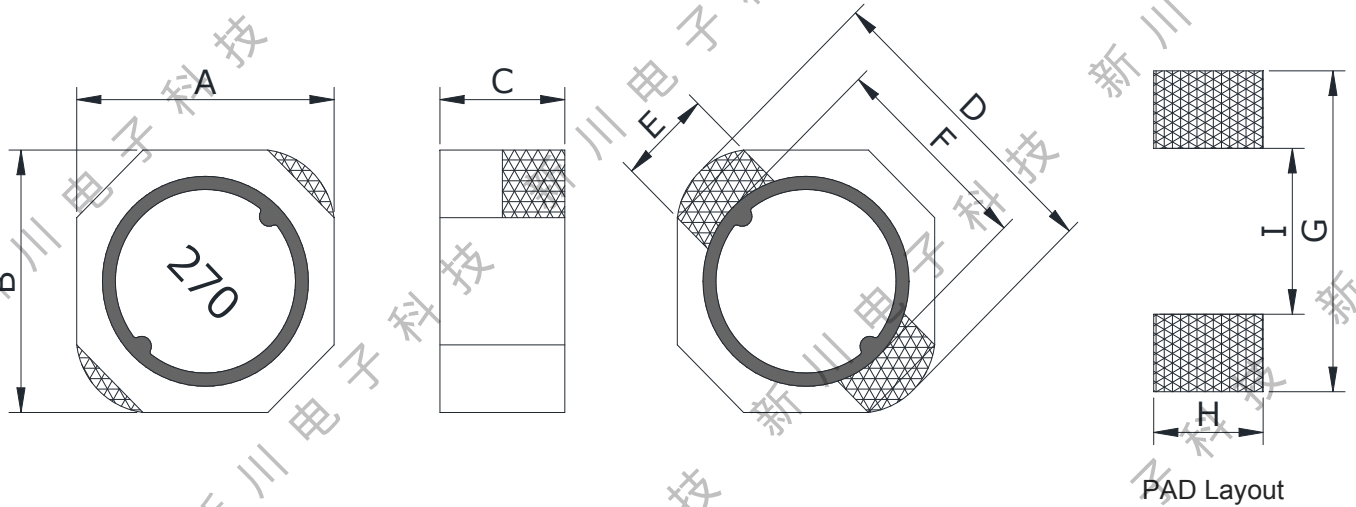
生产工厂：南充川磊电子科技有限公司  
销售公司：南充新川电子科技有限公司  
业务专线：0817-2111163/18681773184  
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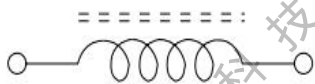
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	A
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一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F	G	H	I
DIM	5.0	5.0	3.0	6.2	1.7	4.2	6.0	2.0	4.0
TOLE	±0.3	±0.3	Max	Max	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 , 2.0x1.7mm

四.电气特性/ELECTRICAL CHARACTERISTIC

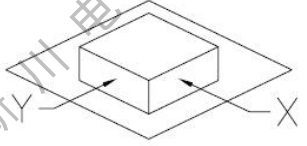
Part Number	INDUCTANCE (uH)	TEST FREQ. (Hz)	DCR (mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-5030F-1R1N	1.1 ±30%	100K/0.25V	20	3.87	4.07	1R1
CDRI-5030F-2R0N	2.0 ±30%	100K/0.25V	27	2.92	3.30	2R0
CDRI-5030F-3R3N	3.3 ±30%	100K/0.25V	34	2.36	2.83	3R3
CDRI-5030F-4R7N	4.7 ±30%	100K/0.25V	45	1.87	2.51	4R7
CDRI-5030F-6R8N	6.8 ±30%	100K/0.25V	68	1.51	2.06	6R8
CDRI-5030F-100M	10.0 ±20%	100K/0.25V	90	1.33	1.76	100
CDRI-5030F-150M	15.0 ±20%	100K/0.25V	142	1.05	1.37	150
CDRI-5030F-220M	22.0 ±20%	100K/0.25V	208	0.86	1.01	220
CDRI-5030F-330M	33.0 ±20%	100K/0.25V	257	0.72	0.94	330
CDRI-5030F-470M	47.0 ±20%	100K/0.25V	352	0.62	0.80	470



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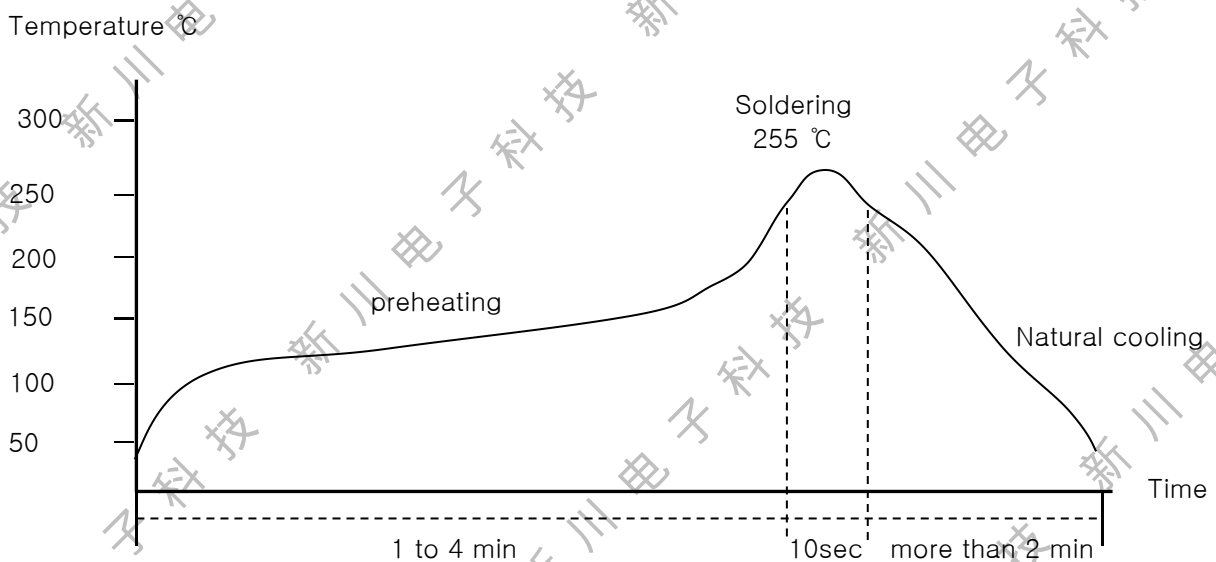
六.可靠性测试/RELIABILITY TESTING

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

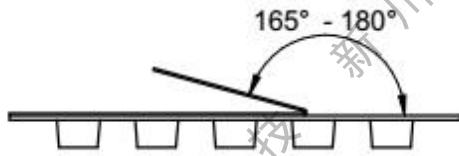
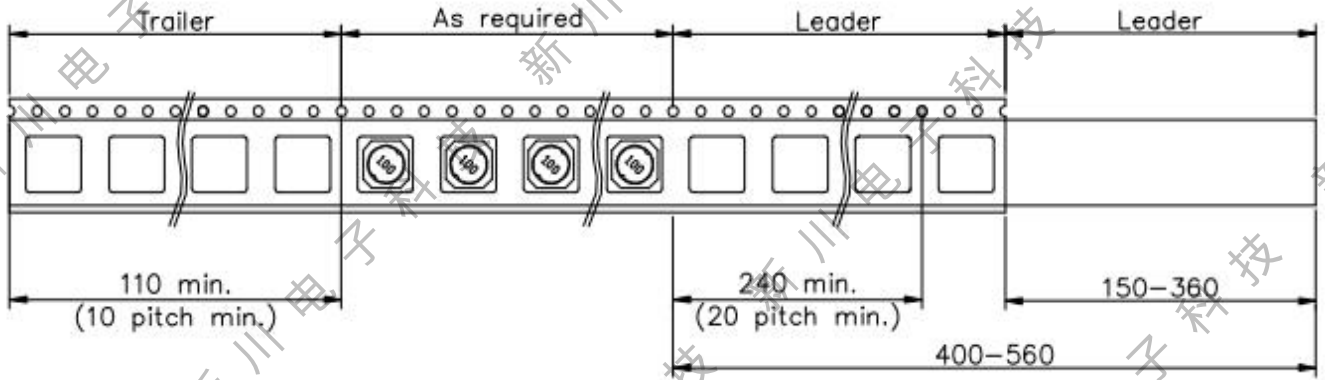
IR Reflow profile



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

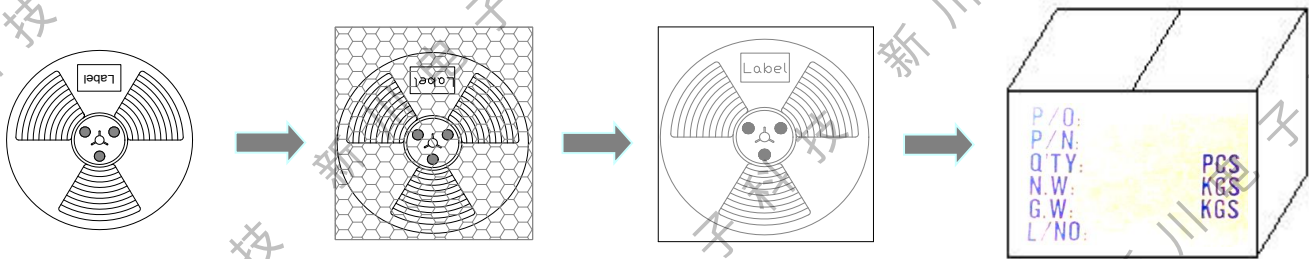
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七.编带规格/TAPING SPECIFICATIONS



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

八.包装方式/PACKING LIST



轮盘：13'(直径330mm)  
数量：2000PCS/盘

PE袋  
数量：2000PCS/袋

内盒  
数量：8000PCS/盒

外箱，数量：40000PCS/箱  
不足整箱用内盒或填充物  
装满