



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-7030AL- SERIES
文件编号 <i>FILE NO.</i>	SP-21072114

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

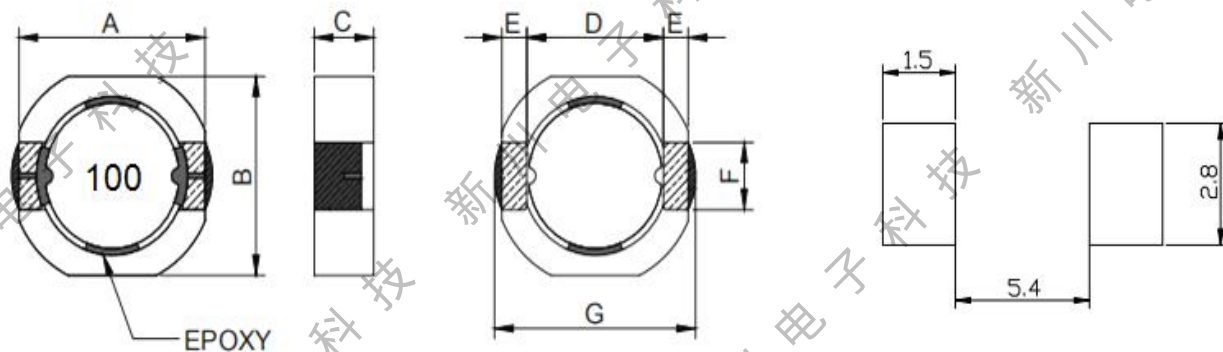
批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
程志华	董兰瑶	蔡娟

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 CUSTOER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Shielded Power Inductors	新川品名 OURS P/N	CDRI-7030AL-SERIES	文件编号 FILE NO.	SP-21072114

一.尺寸图/DIENSION (单位/UNIT :)



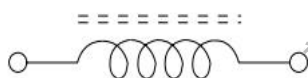
Product size

Pad Layout

ITEM	A	B	C	D	E	F	G		
DIM	7.5	7.5	3.0	5.6	1.0	2.5	9.2		
TOLE	±0.5	±0.5	Max	Typ	Typ	Typ	Max		

二.电路图/CIRCUIT DIAGRA

三.注意事项/NOTE :



1.印字：白色

四.电气特性/ELECTRICAL CHARACTERISTIC

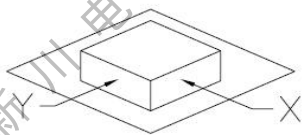
Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-7030AL-1R0□	1.0	N	100K/0.1V	9.27	9.0	6.5	1R0
CDRI-7030AL-2R2□	2.2	N	100K/0.1V	19.2	5.5	4.6	2R2
CDRI-7030AL-2R7□	2.7	N	100K/0.1V	20.5	5.3	4.4	2R7
CDRI-7030AL-3R3□	3.3	N	100K/0.1V	22.5	4.1	4.2	3R3
CDRI-7030AL-4R7□	4.7	M, N	100K/0.1V	30	3.3	3.5	4R7
CDRI-7030AL-5R0□	5.0	N	100K/0.1V	30	3.3	3.5	5R0
CDRI-7030AL-6R8□	6.8	N	100K/0.1V	40	3.1	3.1	6R8
CDRI-7030AL-8R0□	8	N	100K/0.1V	52	3.0	2.6	8R0
CDRI-7030AL-100□	10	M, N	100K/0.1V	70	2.9	2.0	100
CDRI-7030AL-220□	22	M, N	100K/0.1V	140	2.0	1.7	220
CDRI-7030AL-330□	33	M, N	100K/0.1V	175	1.7	1.2	330
CDRI-7030AL-470□	47	M, N	100K/0.1V	265	1.5	1.0	470

承认书/SPECIFICATION FOR APPROVAL

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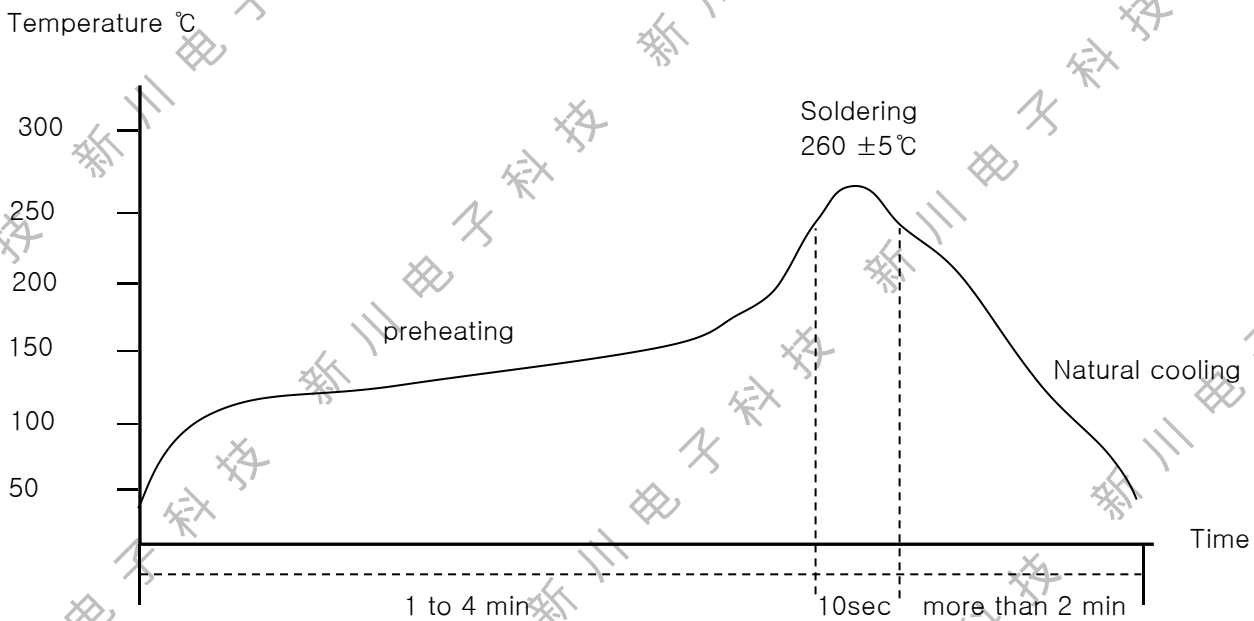
六.可靠性测试/RELIABILITY TESTING

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

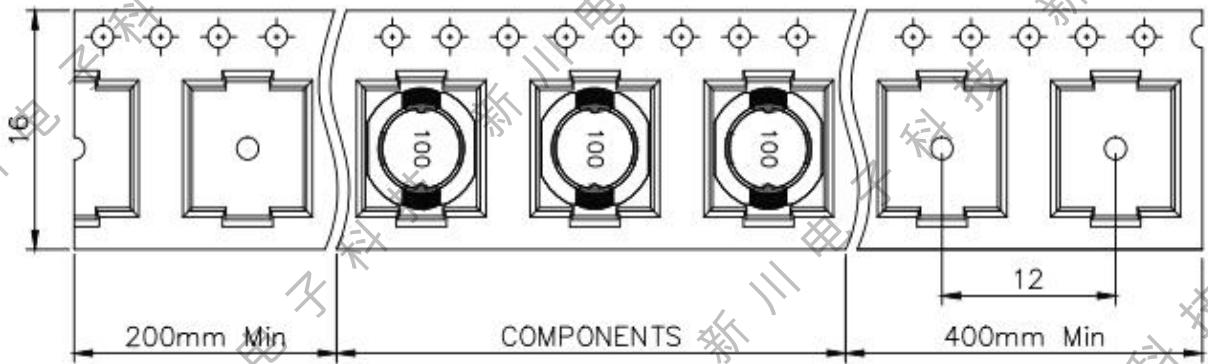
IR Reflow profile



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

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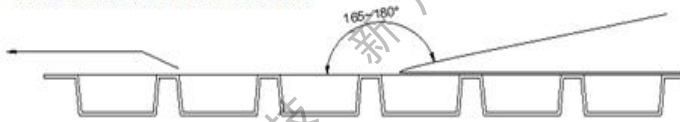
七.编带规格/TAPING SPECIFICATIONS



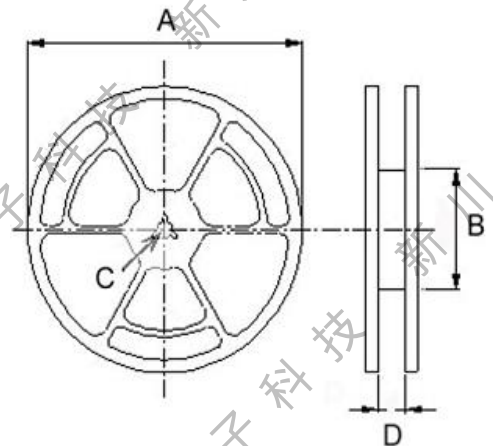
Transparent carrier and cover tape/透明载带和自粘上带

Adhesive strength of cover tape is 20 to 120 gf

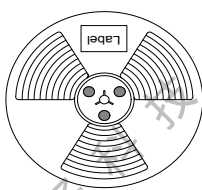
The conduction band direction



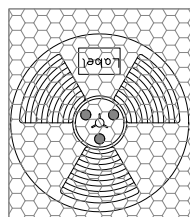
Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	16.5	1500



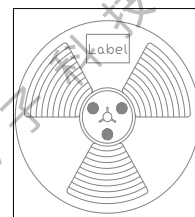
八.包装方式/PACKING LIST



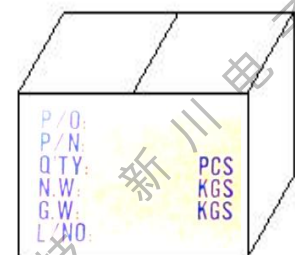
轮盘：13(直径330mm)
数量：1500PCS/盘



PE袋
数量：1500PCS/袋



内盒
数量：4500PCS/盒



外箱，数量：22500PCS/
箱
不足整箱用内盒或填充