



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

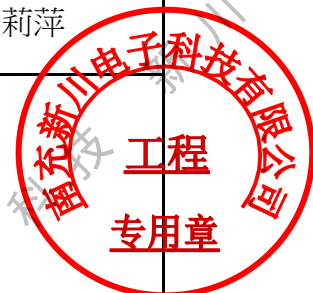
SPECIFICATION FOR APPROVAL

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-2D14-SERIES
文件编号 <i>FILE NO.</i>	SP-20082203

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>		

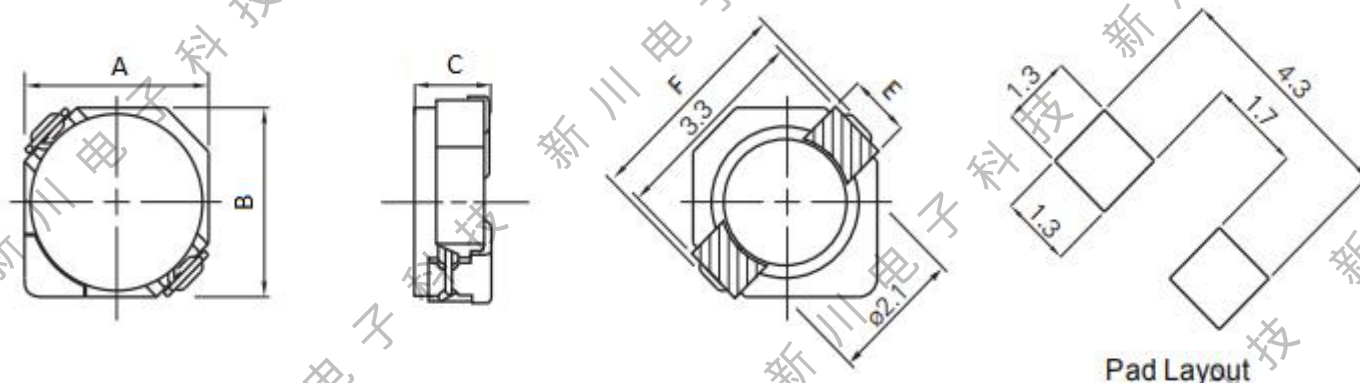
批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
程志华	陈丽丽	张莉萍

生产工厂：南充川磊电子科技有限公司
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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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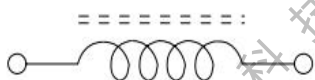
一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	E	F			
DIM	3.2	3.2	1.8	1.0	4.5			
TOLE	Max	Max	Max	Typ	Max			

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 Number	Inductance (uH) @100KHz/0.1V	DC Resistance (mΩ) Max.	Rated Current IDC1 (A) Max.	Rated Current IDC2 (A) Max.	Marking
CDRI-2D14-R21N	0.21 ±35%	21	3.80	4.74	A
CDRI-2D14-R36N	0.36 ±35%	26	3.25	4.10	B
CDRI-2D14-R60N	0.60 ±35%	33	2.20	3.45	C
CDRI-2D14-R82N	0.82 ±35%	39	2.10	2.85	D
CDRI-2D14-1R2N	1.2 ±30%	49	1.95	2.75	E
CDRI-2D14-1R5N	1.5 ±30%	63	1.80	2.00	F
CDRI-2D14-1R8N	1.8 ±30%	75	1.65	1.80	G
CDRI-2D14-2R2N	2.2 ±30%	94	1.50	1.60	H
CDRI-2D14-2R7N	2.7 ±30%	106	1.35	1.40	I

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四.电气特性/ELECTRICAL CHARACTERISTIC

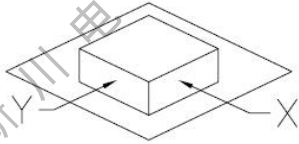
Part Number	Inductance (uH) @100KHz/0.1V	DC Resistance (mΩ) Max.	Rated Current IDC1 (A) Max.	Rated Current IDC2 (A) Max.	Marking
CDRI-2D14-3R3N	3.3 ±30%	125	1.20	1.24	J
CDRI-2D14-3R9N	3.9 ±30%	138	1.10	1.12	K
CDRI-2D14-4R7N	4.7 ±30%	169	1.00	1.00	L
CDRI-2D14-5R6N	5.6 ±30%	188	0.95	0.98	M
CDRI-2D14-6R8N	6.8 ±30%	213	0.85	0.92	N
CDRI-2D14-8R2N	8.2 ±30%	281	0.80	0.80	O
CDRI-2D14-100N	10 ±30%	294	0.70	0.76	P
CDRI-2D14-120N	12 ±30%	394	0.62	0.64	Q

- (1).IDC1:Base on temp.rise $\Delta L/L0A \leq 35\%$
- (2).IDC2:Temp.rise 40°C Typ
- (3).Operating Temperature: -40°C up to +125°C
- (4).Storage Temperature: -20°C up to +40°C, 75% RH max.

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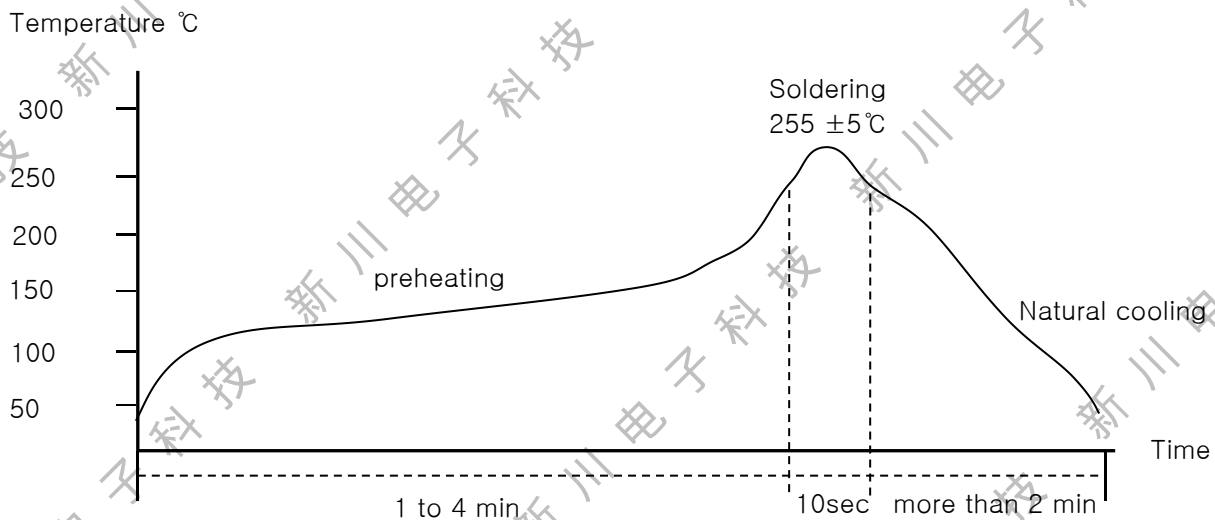
五.可靠性测试/RELIABILITY TESTING

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



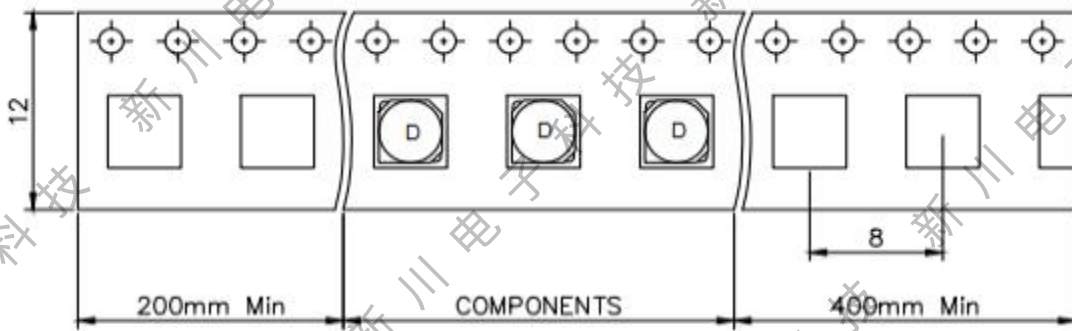
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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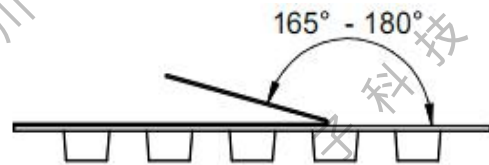
六.包装规格/PACKING SPECIFICATIONS (单位/UNIT : mm)

1	CORE	FERRITE
2	WIRE	P180 Grd1
3	ADHESIVE	5890L
4	INK	BLACK

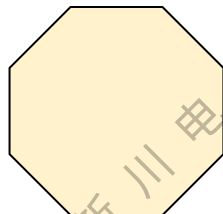
七.包装方式/PACKING LIST



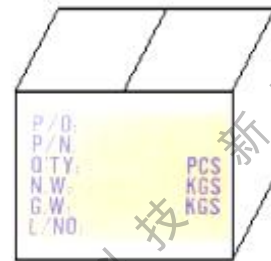
Tape width	Distance	Pull-of force
12 mm	8 mm	20~100g



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