



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

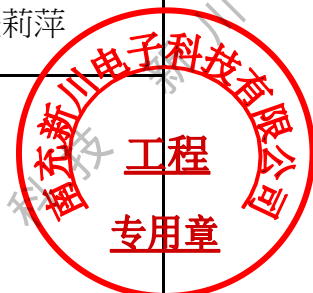
SPECIFICATION FOR APPROVAL

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-2D11B-SERIES
文件编号 <i>FILE NO.</i>	SP-20082202

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

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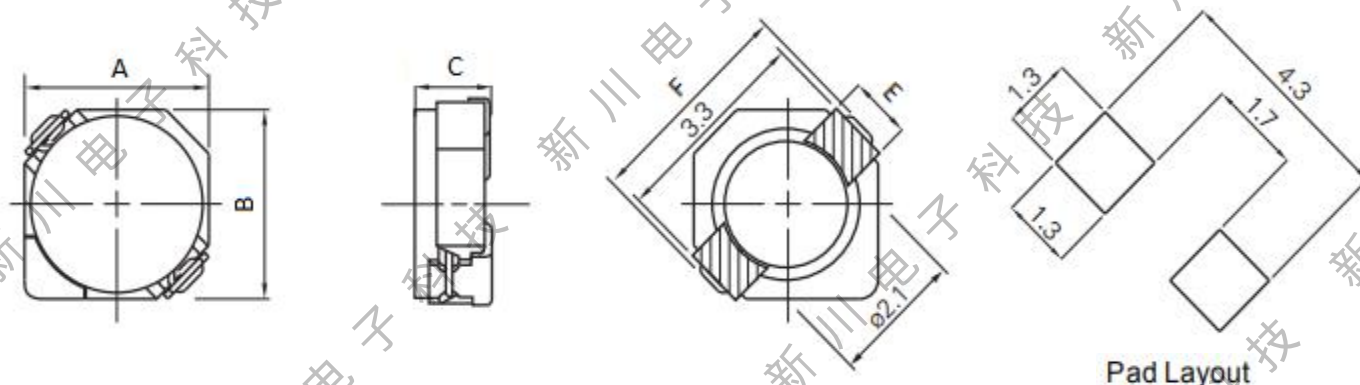


承认书/SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	-----	客产品名 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-2D11B-SERIES	文件编号 FILE NO.	SP-20082202
修改记录/MODIFY RECORDS					
版别 REV.	日期 DATE	修改内容 MODIFY CONTENT	拟制 DRAWING	审核 CHECKED	批准 APPROVED
1.0	2020/8/22	新发行	张莉萍	陈丽丽	程志华

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一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	E	F			
DIM	3.2	3.2	1.2	1.0	4.5			
TOLE	Max	Max	Max	Typ	Max			

二.电气特性/ELECTRICAL CHARACTERISTIC

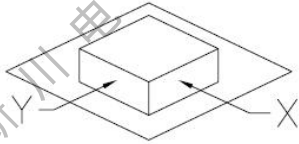
Part Number	Inductance (uH) @100KHz/0.1V	DC Resistance (mΩ) Max.	Rated Current IDC1 (A) Max.	Rated Current IDC2 (A) Max.	Marking
CDRI-2D11B-1R0P	1.0 ±25%	68.6	2.10	1.75	A
CDRI-2D11B-1R5P	1.5 ±25%	104	1.65	1.45	B
CDRI-2D11B-1R8P	1.8 ±25%	116	1.50	1.30	C
CDRI-2D11B-2R2P	2.2 ±25%	133	1.40	1.15	D
CDRI-2D11B-3R3P	3.3 ±25%	195	1.15	0.95	E
CDRI-2D11B-4R7P	4.7 ±25%	235	0.95	0.80	F
CDRI-2D11B-5R6P	5.6 ±25%	282	0.90	0.76	G
CDRI-2D11B-6R8P	6.8 ±25%	359	0.78	0.65	H
CDRI-2D11B-8R2P	8.2 ±25%	406	0.73	0.62	I
CDRI-2D11B-100P	10 ±25%	553	0.63	0.52	J

- (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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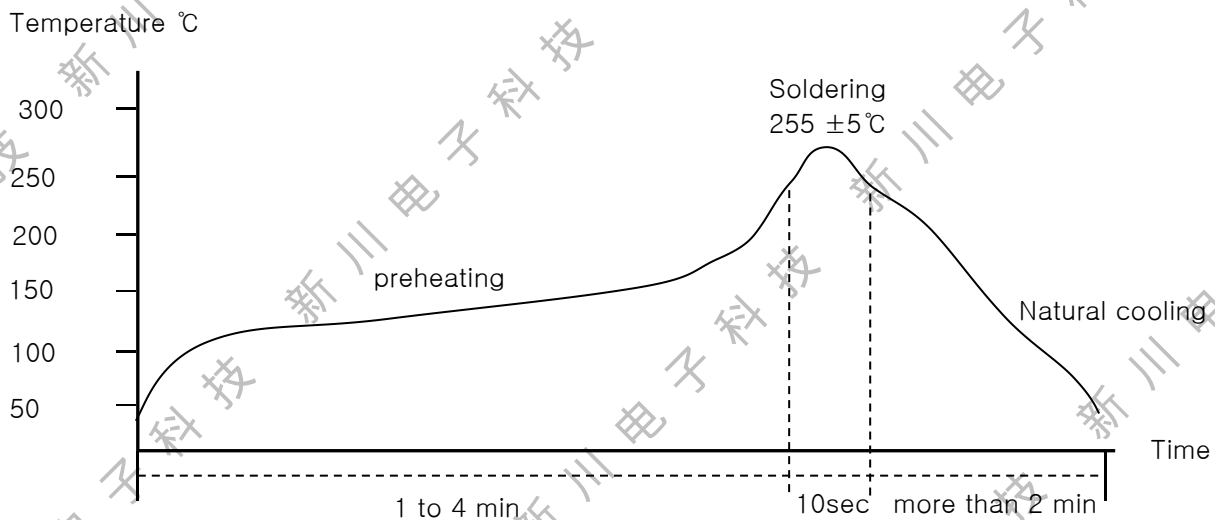
三.可靠性测试/RELIABILITY TESTING

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



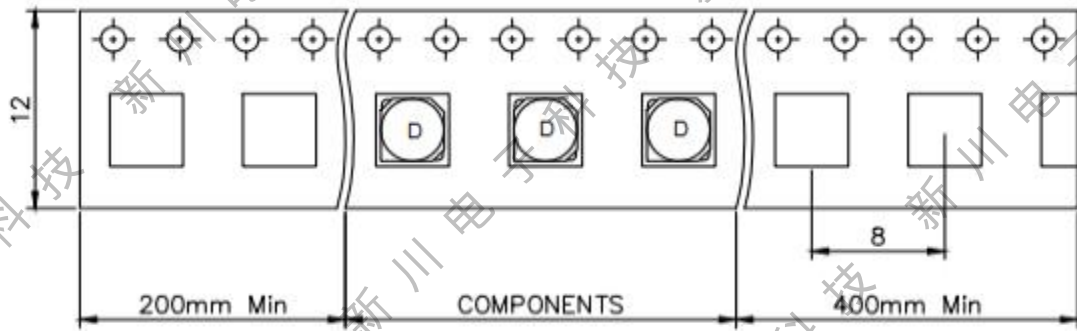
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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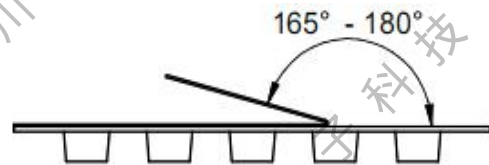
四.包装规格/PACKING SPECIFICATIONS (单位/UNIT : mm)

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

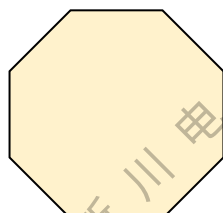
五.包装方式/PACKING LIST



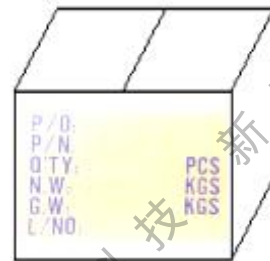
Tape width	Distance	Pull-of force
12 mm	8 mm	20~100g



轮盘 : 7(直径178mm)
数量 : 1500PCS/盘



内盒/PE袋
数量 : 6000PCS/盒



外箱·数量 : 60000PCS/箱
不足整箱用内盒或填充物装满