



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

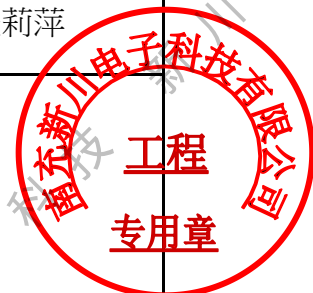
SPECIFICATION FOR APPROVAL

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-6D38-SERIES
文件编号 <i>FILE NO.</i>	SP-21072108

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

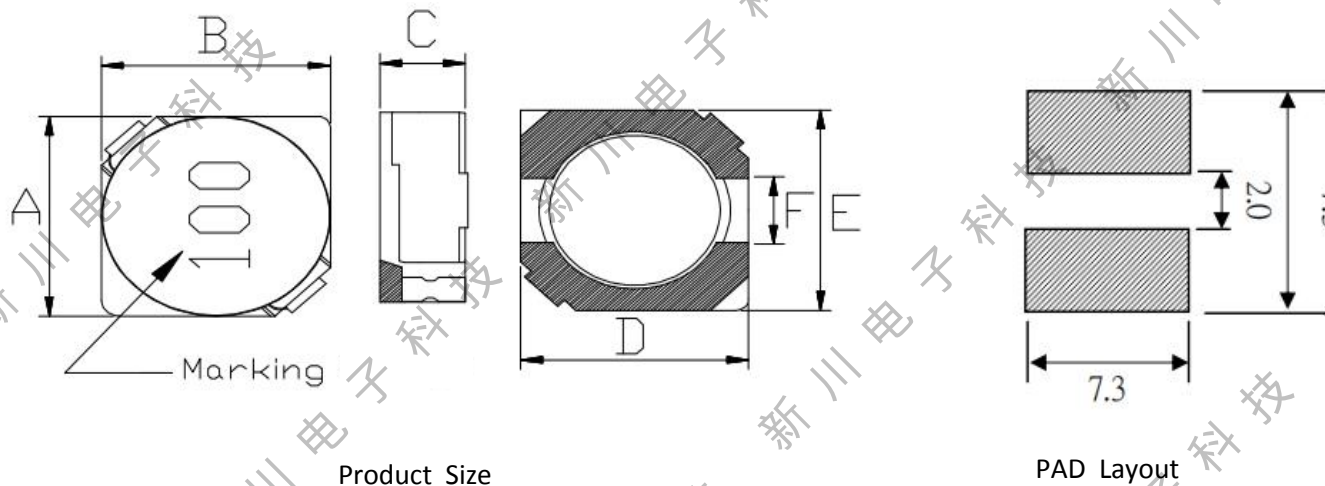
生产工厂：南充川磊电子科技有限公司  
销售公司：南充新川电子科技有限公司  
业务专线：0817-2111163/18681773184  
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客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
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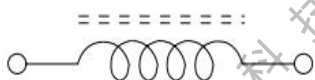
一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F		
DIM	6.7	6.7	4.0	6.5	6.5	2.0		
TOLE	±0.3	±0.3	Max	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-6D38-1R0□	1.0	N	100KHz/0.1V	10m	4.5	1R0
CDRI-6D38-1R5□	1.5	N	100KHz/0.1V	11m	4.3	1R5
CDRI-6D38-2R2□	2.2	N	100KHz/0.1V	15m	4	2R2
CDRI-6D38-3R3□	3.3	M N	100KHz/0.1V	20m	3.5	3R3
CDRI-6D38-3R8□	3.8	N	100KHz/0.1V	20m	3.5	3R8
CDRI-6D38-5R0□	5.0	N	100KHz/0.1V	24m	2.9	5R0
CDRI-6D38-6R2□	6.2	N	100KHz/0.1V	27m	2.5	6R2
CDRI-6D38-6R8□	6.8	M N	100KHz/0.1V	29m	2.4	6R8
CDRI-6D38-7R4□	7.4	N	100KHz/0.1V	31m	2.3	7R4

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四.电气特性/ELECTRICAL CHARACTERISTIC

Part Nuber	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (Ω) Max.	IDC (A)	MARK
CDRI-6D38-8R2□	8.2	N	100KHz/0.1V	34m	2.20	8R2
CDRI-6D38-8R7□	8.7	N	100KHz/0.1V	34m	2.20	8R7
CDRI-6D38-100□	10	M N	100KHz/0.1V	38m	2.00	100
CDRI-6D38-120□	12	M N	100KHz/0.1V	53m	1.7	120
CDRI-6D38-150□	15	M N	100KHz/0.1V	57m	1.6	150
CDRI-6D38-180□	18	M N	100KHz/0.1V	92m	1.5	180
CDRI-6D38-220□	22	M N	100KHz/0.1V	96m	1.3	220
CDRI-6D38-270□	27	M N	100KHz/0.1V	0.11	1.2	270
CDRI-6D38-330□	33	M N	100KHz/0.1V	0.124	1.1	330
CDRI-6D38-390□	39	M N	100KHz/0.1V	0.138	1	390
CDRI-6D38-470□	47	M N	100KHz/0.1V	0.155	0.95	470
CDRI-6D38-560□	56	M N	100KHz/0.1V	0.202	0.85	560
CDRI-6D38-680□	68	M N	100KHz/0.1V	0.234	0.75	680
CDRI-6D38-820□	82	M N	100KHz/0.1V	0.324	0.7	820
CDRI-6D38-101□	100	M N	100KHz/0.1V	0.358	0.65	101
CDRI-6D38-331□	330	M N	100KHz/0.1V	1.55	0.35	331

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:The DC current at which causes initial inductance to decreases by ≤35% MAX, or temperature to rise by 40℃, whichever is lower(At ambient reference temperature:25℃).

(3).Operating temp.: -40℃ to +125℃

(4).Storage Temp: -20℃ up to +40℃, 75% RH max.

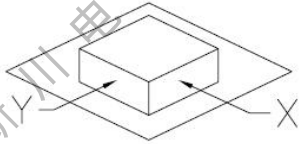
五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	BASE	C-6D28
3	WIRE	P180 Grd1
4	EPOXY	E-G500HF
5	SOLDER	Sn99.3:Cu0.7
6	INK	BLACK

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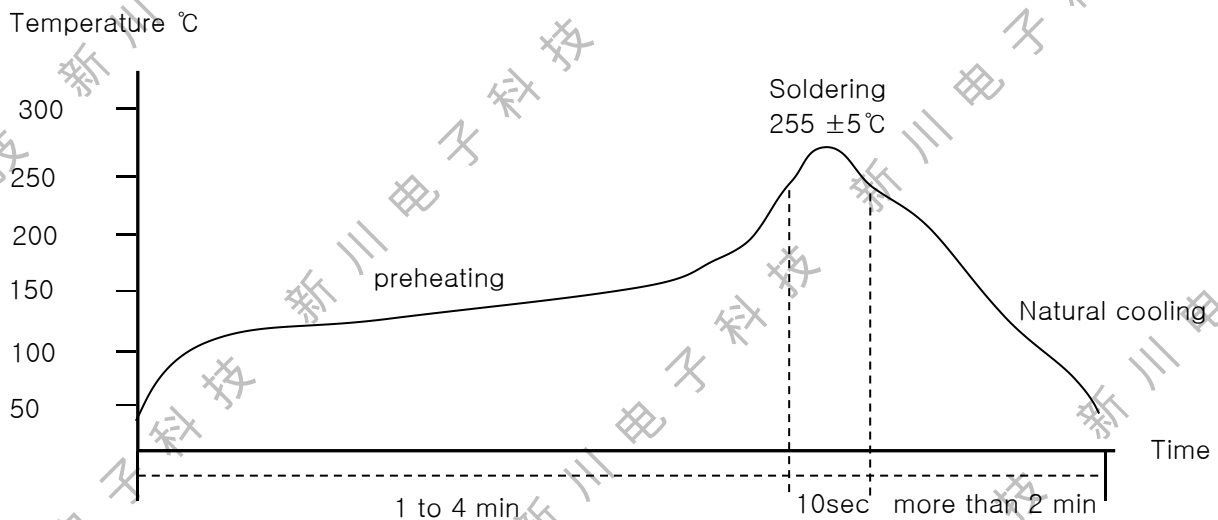
六.可靠性测试/RELIABILITY TESTING

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

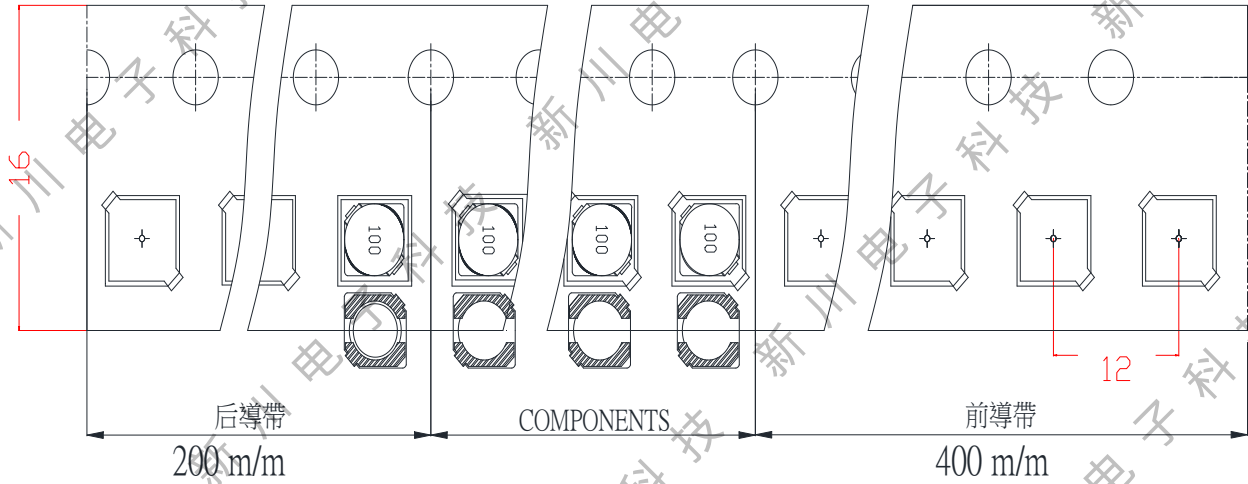
IR Reflow profile



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

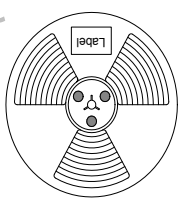
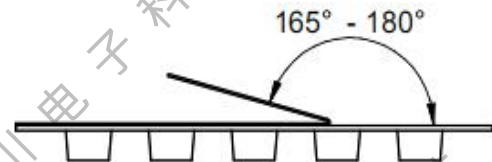
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七.包装方式/PACKING LIST

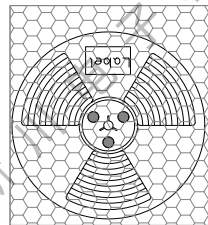


Transparent carrier and cover tape/透明载带和自粘上带

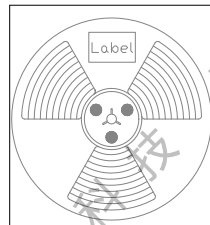
Tape width	Distance	Pull-of force
16 mm	12 mm	20~100g



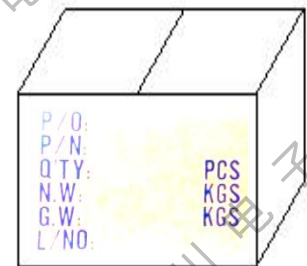
轮盘：13'(直径330mm)  
数量：1000PCS/盘



PE袋  
数量：1000PCS/袋



内盒  
数量：3000PCS/  
盒



外箱，数量：15000PCS/箱  
不足整箱用内盒或填充物  
装满