



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

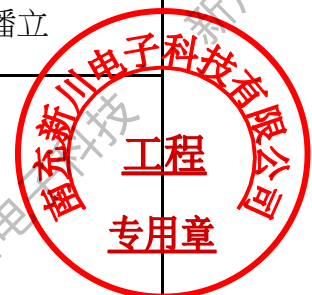
SPECIFICATION FOR APPROVAL

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>	CSLF-7032T- SERIES
文件编号 <i>FILE NO.</i>	SP-21072210

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>		

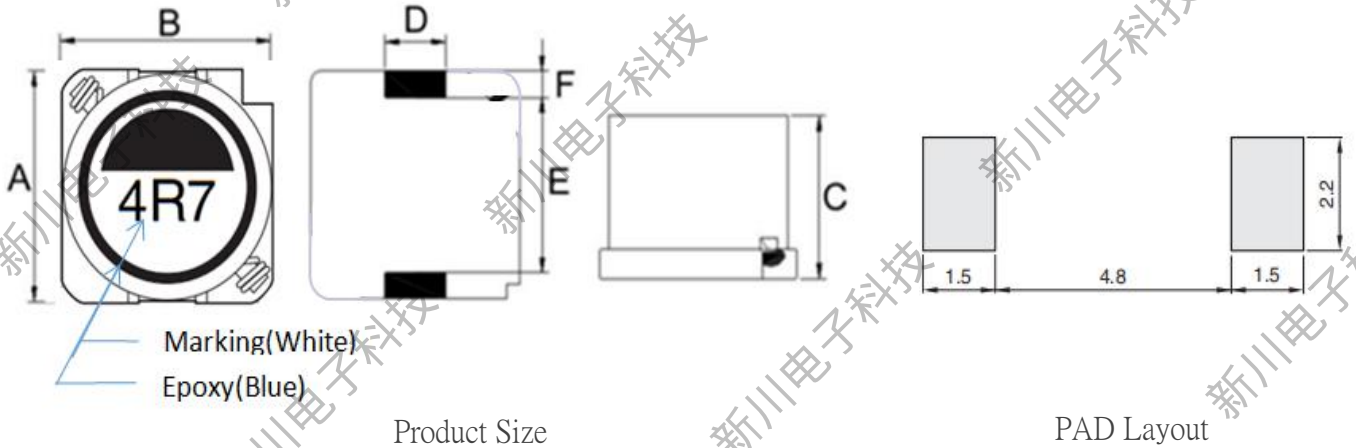
批准 <i>APPROVED</i>	确认 <i>CHECKED</i>	作成 <i>DESIGN</i>
程志华	陈尧	潘立

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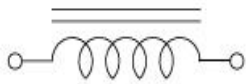
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Shielded Power Inductors	新川品名 OURS P/N	CSLF-7032T- SERIES	文件编号 FILE NO.	SP-21072210

一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F		
DIM	7.0	7.0	3.2	2.0	4.0	0.9		
TOLE	±0.3	±0.3	±0.3	±0.2	Typ	Typ		

二.电路图/CIRCUIT DIAGRAM



三.注意事项/NOTE :

1.印字：白色

四.电气特性/ELECTRICAL CHARACTERISTIC

Part Nuber	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC (A) Max	MARK
CSLF-7032T-3R3□	3.3	M N	100K/0.25V	23	1.9	3R3
CSLF-7032T-4R7□	4.7	M N	100K/0.25V	30	1.7	4R7
CSLF-7032T-6R8□	6.8	M N	100K/0.25V	41	1.6	6R8
CSLF-7032T-100□	10	M N	100K/0.25V	53	1.4	100
CSLF-7032T-150□	15	M N	100K/0.25V	75	1.1	150
CSLF-7032T-220□	22	M N	100K/0.25V	110	0.96	220
CSLF-7032T-330□	33	M N	100K/0.25V	160	0.75	330
CSLF-7032T-470□	47	M N	100K/0.25V	240	0.67	470
CSLF-7032T-680□	68	M N	100K/0.25V	310	0.59	680
CSLF-7032T-101□	100	M N	100K/0.25V	450	0.45	101
CSLF-7032T-151□	150	M N	100K/0.25V	650	0.37	151

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四.电气特性/ELECTRICAL CHARACTERISTIC

Part Nuber	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC (A) Max	MARK
CSLF-7032T-221□	220	M N	100K/0.25V	1050	0.29	221
CSLF-7032T-331□	330	M N	100K/0.25V	1670	0.22	331
CSLF-7032T-471□	470	M N	100K/0.25V	2050	0.2	471
CSLF-7032T-681□	680	M N	100K/0.25V	3150	0.16	681
CSLF-7032T-102□	1000	M N	100K/0.25V	4780	0.13	102

- (1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)
- (2).IDC:Base on temp.rise & ΔL/L0A 10% Typ · Temp.rise 40°C Typ
- (3).Operating temp.: -40°C to +125°C
- (4).Storage temp.: -20°C up to +40°C, 75% RH max.

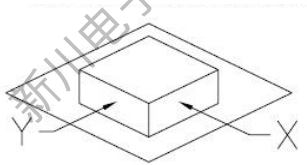
五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	BASE	PM9630
3	WIRE	P180 G1
4	ADHESIVE	G-500HF+FK661S
5	TIN	107H
6	INK	WHITE

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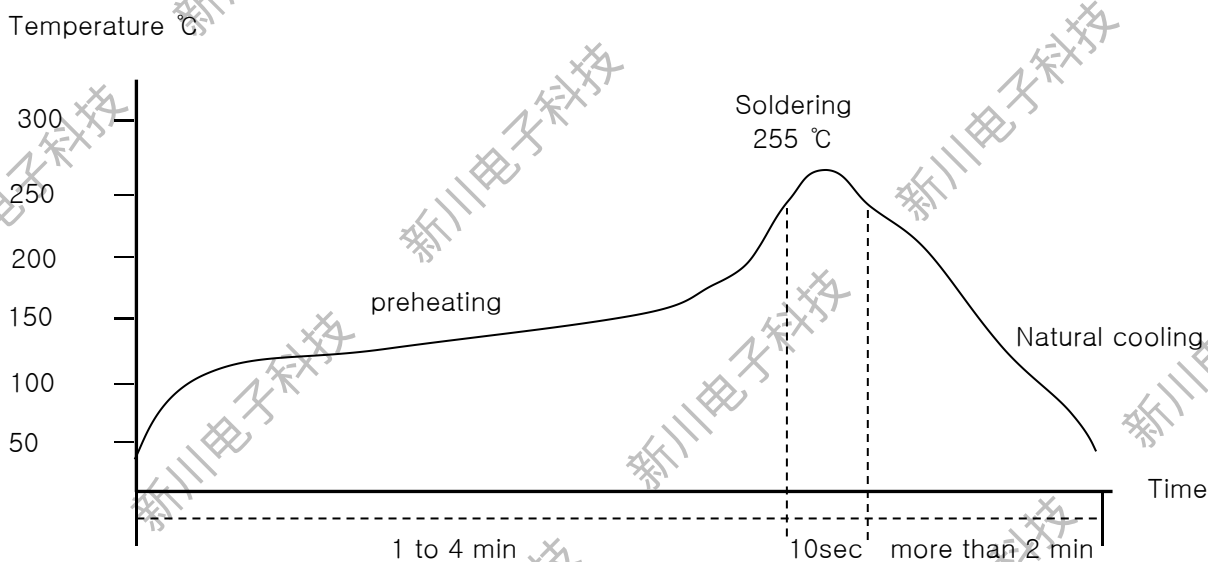
六.可靠性测试/RELIABILITY TESTING

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 10 CSLF-7032F- SERIES 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

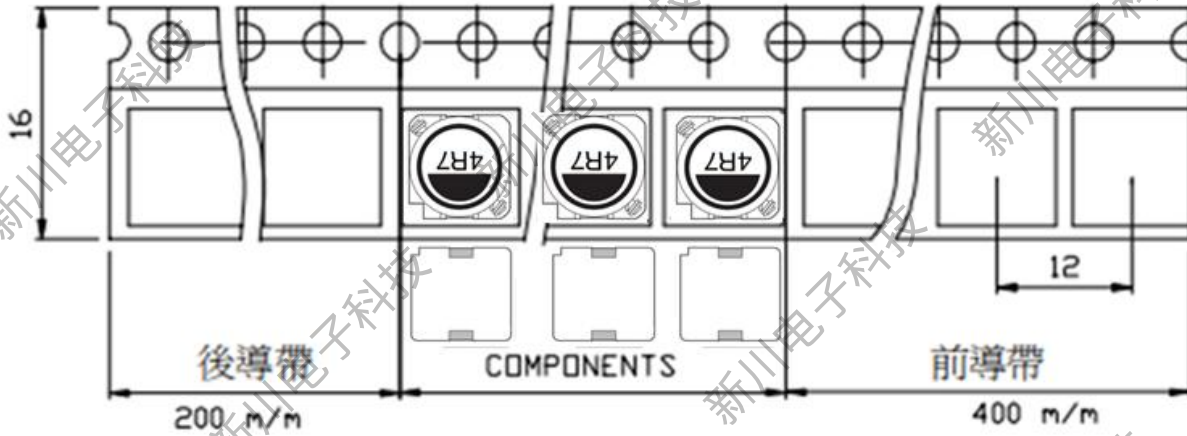
IR Reflow profile



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

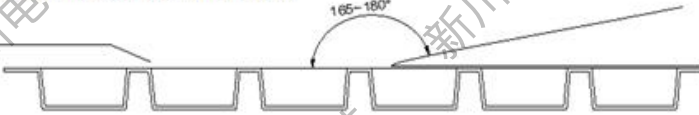
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七.编带规格/TAPING SPECIFICATIONS

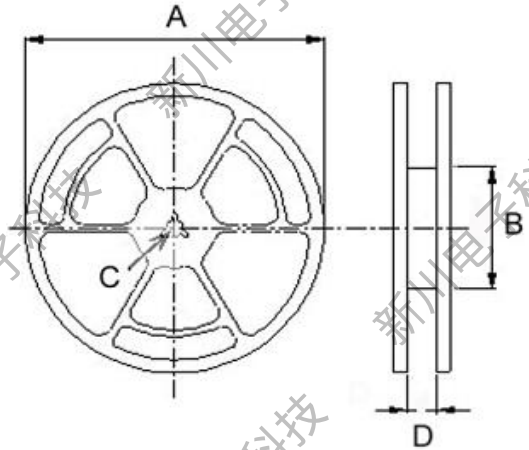


Transparent carrier and cover tape/透明载带和自粘上带

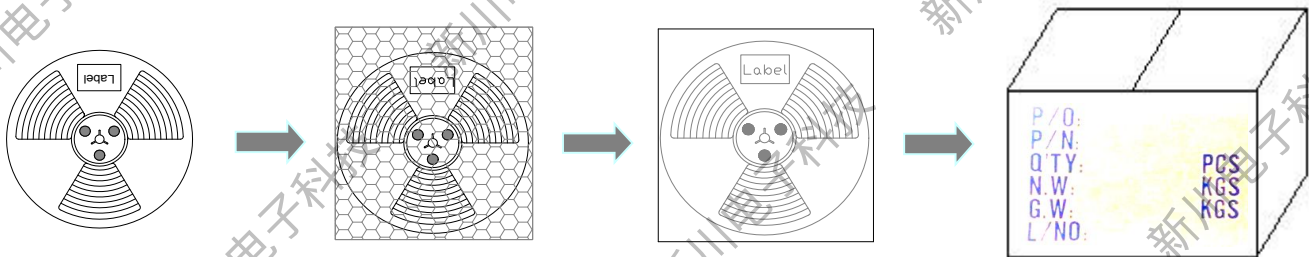
Adhesive strength of cover tape is 20 to 120 gf
The conduction band direction



Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	16.5	1000



八.包装方式/PACKING LIST



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