



南充新川电子科技有限公司

New Energy Technology Ltd.



产品承认书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME.

产品类型

Common Mode Line Filter

PRODUCT TYPE

客户料号

CUSTOMER PN

新川料号

CLCM-0903C-02A(SERIES)

NET PN

文件编号

NET-WI-E-24060701

FILE NO.

客户承认/CUSTOMER ACCEPTED

承认 APPROVED	确认 CHECKED	承办 DESIGN

批注/REMARK

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批准 APPROVED	确认 CHECKED	作成 DESIGN
Justin	Anna	Stephanie

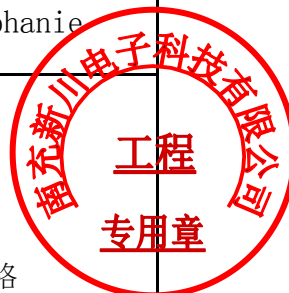
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客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	A0
产品类型 PRODUCT TYPE	Common Mode Line Filter	新川品名 NET P/N	CLCM-0903C-02A(SERIES)	文件编号 FILE NO.	NET-WI-E-24060701
修改记录/MODIFY RECORDS					
版别 REV.	日期 DATE	修改内容 MODIFY CONTENT	拟制 DRAWING	审核 CHECKED	批准 APPROVED
1.0.0	2021/6/9	新发行	Zoe	Joey	Robben
1.0.1	2023/2/21	感量120Y的DCR 7.7(mΩ)Typ,改为12(mΩ)Typ, 并添加DCR 20(mΩ)Max.	Stephanie	Anna	Justin
1.0.2	2023/10/25	感量4R5Y的DCR 2.7(mΩ)Typ,改为9. 0(mΩ)Typ, Rated Current由7 (A) MAX改为5. 5 (A) MAX.	Stephanie	Anna	Justin
		包装由30000/箱改为18000/箱	Stephanie	Anna	Justin
A0	2024/6/7	完善承认书内容和统一文件编码和版本	Stephanie	Anna	Justin

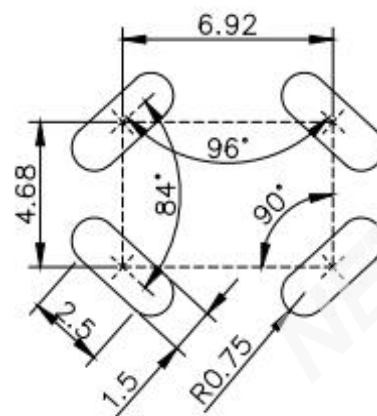
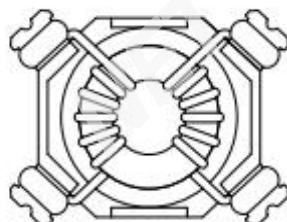
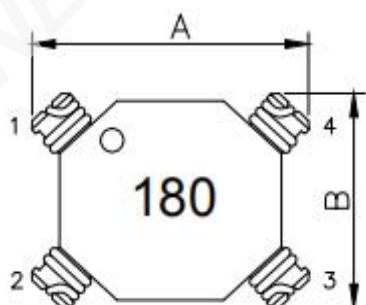
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一、产品识别/PRODUCT IDENTIFICATION：

- CLCM — 0903C — 180 — Y 02 — A
- (1) (2) (3) (4) (5) (6)
- (1) Series
- (2) Dimensions
- (3) Inductance
- (4) TOL
- (5) Marking
- (6) Packing

二、形状及尺寸/SHAPE AND DIMENSIONS（单位/Unit：mm）



Pad Layout

A	B	C								
9.4 Max	7.2 Max	2.6 Max								

三、注意事项/NOTE：

1.印字颜色：白色

四、电路图/CIRCUIT DIAGRAM



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五.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance 1-2=4-3 @100KHz/0.1V	Leakage Inductance @100KHz/0.1V	DC Resistance 1-2=4-3 (mΩ)	Rated Current 1-2=4-3 (A)Max.	Hi-Pot 1,2-3,4 (Vdc) 3mA/1S
CLCM-0903C-4R5Y-02A	4.5uH Min	0.05uH Typ	9.0Typ.	5.5	500
CLCM-0903C-8R0Y-02A	8.0uH Min	0.09uH Typ	4.0Typ.	5.7	500
CLCM-0903C-120Y-02A	12.6uH Min	0.14uH Typ	12Typ. 20Max.	4.1	500
CLCM-0903C-180Y-02A	18uH Min	0.20uH Typ	8.9Typ.	3.8	500
CLCM-0903C-200Y-02A	20uH Min	0.25uH Typ	9.3Typ.	3.7	500
CLCM-0903C-250Y-02A	25uH Min	0.28uH Typ	10.0Typ.	3.6	500
CLCM-0903C-330Y-02A	32.8uH Min	0.36uH Typ	13.8Typ.	3.1	500
CLCM-0903C-410Y-02A	41.5uH Min	0.45uH Typ	19.0	2.6	500
CLCM-0903C-470Y-02A	47uH Min	0.52uH Typ	23.0	2.5	500
CLCM-0903C-510Y-02A	51.2uH Min	0.56uH Typ	26.0	2.2	500
CLCM-0903C-620Y-02A	62uH Min	0.68uH Typ	35.0	1.9	500
CLCM-0903C-730Y-02A	73.7uH Min	0.81uH Typ	48.0	1.65	500
CLCM-0903C-101Y-02A	100uH Min	1.1uH Typ	70.0	1.35	500
CLCM-0903C-131Y-02A	131uH Min	1.45uH Typ	100.0	1.15	500
CLCM-0903C-161Y-02A	166uH Min	1.83uH Typ	138.0	1.0	500
CLCM-0903C-201Y-02A	205uH Min	2.25uH Typ	186.0	0.85	500

(1).Rated Current: Temp.rise 40°C Typ

(2).Operating Temperature: -40°C up to +85°C

(3).Storage Temperature: 15°C up to 25°C, 65% RH max.

(4).The temperature of electrical characteristic test is 25 °C indoor temperature

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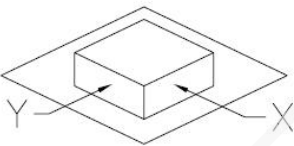
六.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	PM9630
3	WIRE	P180 Grd1
4	SOLDER	Sn99.3:Cu0.7
5	ADHESIVE	XNR-3614
6	INK	WHITE

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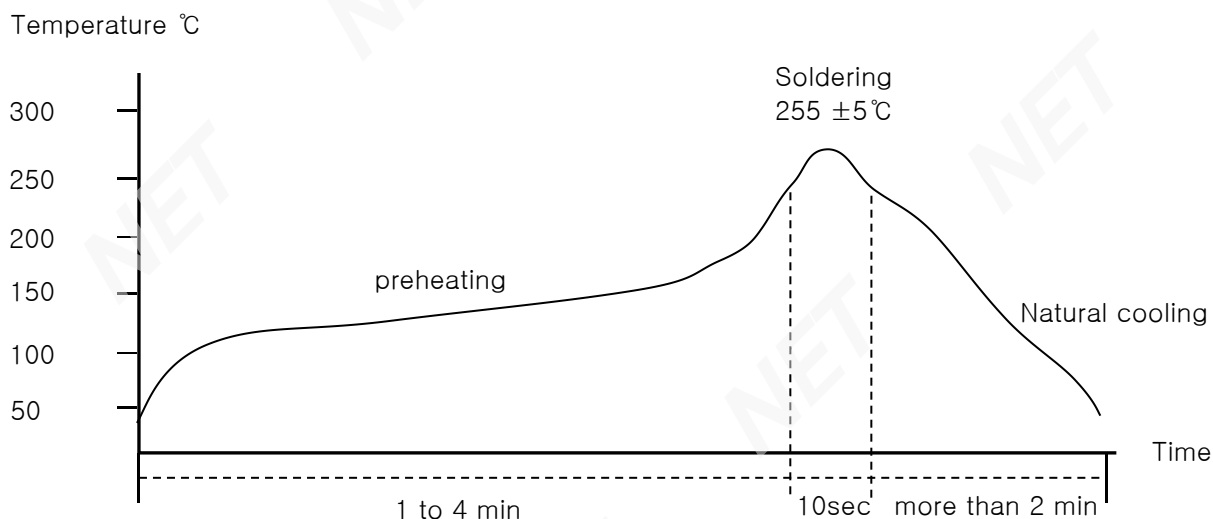
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七.可靠性测试/RELIABILITY TESTING

Operating Temperature	- 40 to +85 °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 10 MΩ at 50V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1S between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 40~ + 85 °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

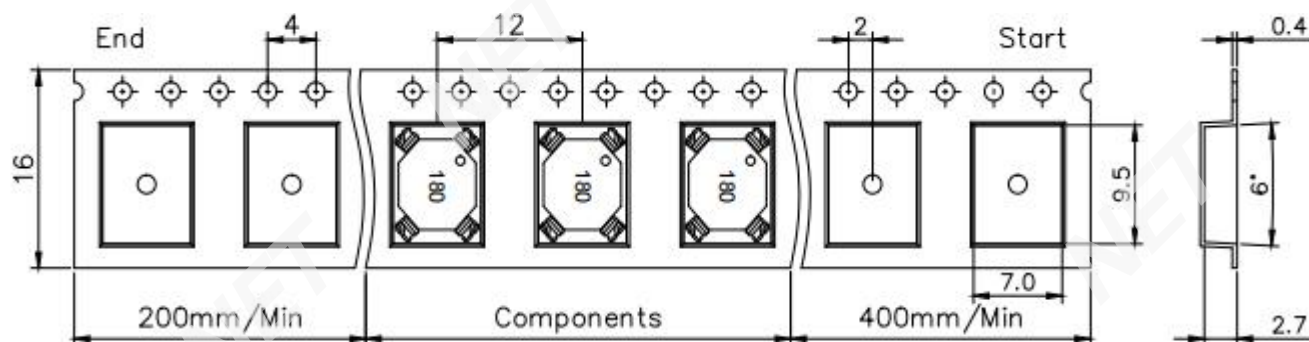


Temperature and humidity . After that , no mechanical and electrical defect should be found .

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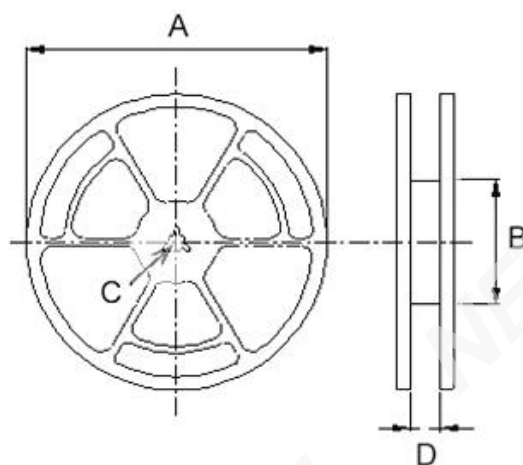
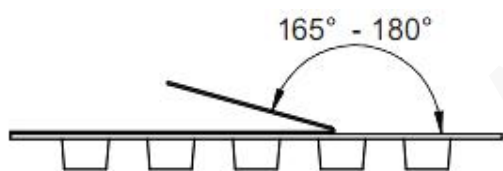
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八.包装规格/PACKING SPECIFICATIONS (单位/UNIT : mm)

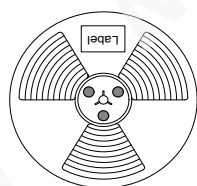


Transparent carrier and cover tape/透明载带和自粘上带，预留前40CM后20CM.

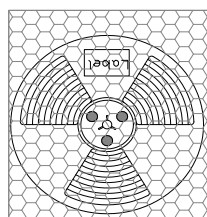
Tape width	Distance	Pull-of force
16 mm	12 mm	20~120g



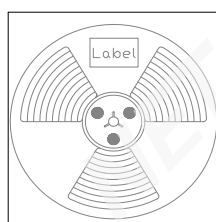
Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	16.5	2000



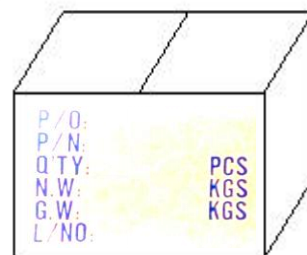
轮盘：13'(直径330mm)
数量：2000PCS/盘



PE袋
数量：2000PCS/袋



内盒
数量：6000PCS/盒



外箱，数量：18000PCS/箱
不足整箱用内盒或填充物装满

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Cautions and Warnings



提醒及警告

1. When the NET's products are used in occasions other than general electronic equipment, such as vehicle mounted, medical equipment, military, aerospace, etc., please be sure to contact the company's business department. In case of machine failure caused by exceeding the recommended use range of the company's products, the company will not bear relevant responsibilities
(新川此系列產品推荐使用范围：影音,家電,辦公自動化,通訊,電源模塊,LED照明,測量設備,機械工具等一般電子設備中.)

2. when the company's products are used outside the general electronic equipment, such as vehicle mounted, medical, military, aviation, aerospace and other environments, please contact the company's business department and put forward a request. Otherwise, the company will not bear any relevant responsibility for the machine failure caused by the use beyond the scope recommended by the company
(當本公司產品使用在一般電子設備以外,如:車載,醫療,軍用,航空,航天等环境时,請必須聯繫本公司營業部門并提出述求, 否则超出本公司推薦的使用范围而引起的機器故障,本公司不承擔任何相關責任.)

3. Please pay attention to the storage conditions that temperature: below 15-25°C and humidity: 65% RH Max. If product is preserved for more than 6 months, the solderability of their terminals may be deteriorated.
(產品在規定的溫度和濕度條件下保存:溫度: 15-25°C 以下, 濕度上限: 65% RH , 如果保存期超過半年, 端子的可焊性可能會變差.)