



南充新川电子科技有限公司

New Energy Technology Ltd.



产品承认书

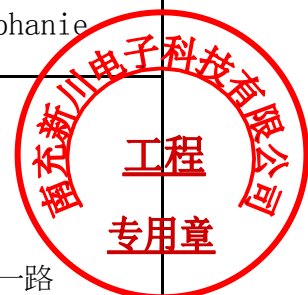
SPECIFICATION FOR APPROVAL

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-0904-04A(SERIES)
NET PN	
文件编号	NET-WI-E-045
FILE NO.	

客户承认/CUSTOMER ACCEPTED		
承认 APPROVED	确认 CHECKED	承办 DESIGN
批注/REMARK		

批准 APPROVED	确认 CHECKED	作成 DESIGN
Justin	Anna	Stephanie

公司名称：南充新川电子科技有限公司
业务专线：0817-2999000/18681773180
公司网址：Http://www.net-tech.cn
邮 箱：net@net-tech.cn
地 址：四川省南充市顺庆区高新科技产业园区科技一路



产品承认书/SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	A2
产品类型 PRODUCT TYPE	Common Mode Line Filter	新川品名 NET P/N	CLCM-0904-04A(SERIES)	文件编号 FILE NO.	NET-WI-E-045
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
A0	2023/10/18	为应对新系统，版本升级，完善承认书内容	Zoe	Joey	Robben
A1	2024/3/9	新增CLCM-0904S-731Y曲线图	Stephanie	Anna	Justin
A2	2024/7/25	D尺寸由2.54 Max改为2.54±0.5mm	Stephanie	Anna	Justin

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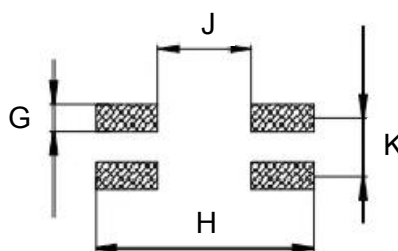
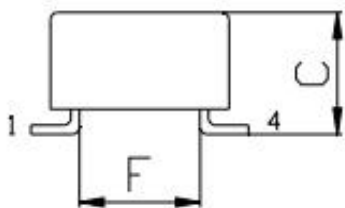
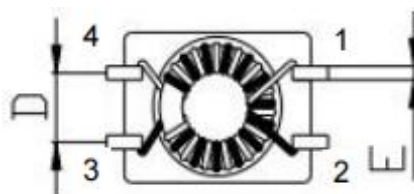
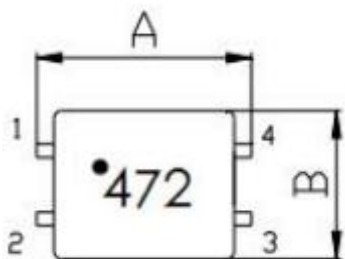
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一、产品识别/PRODUCT IDENTIFICATION：

CLCM — 0904 — □ — 471 Y — 04 A
 (1) (2) (3) (4) (5) (6) (7)

- (1) Series
- (2) Dimensions
- (3) Winding (Bifilar or Sector)
- (4) Inductance(6R0=6.0μH 510=51μH 471=470μH 102=1000μH=1.0mH)
- (5) TOL
- (6) Marking
- (7) Packing

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

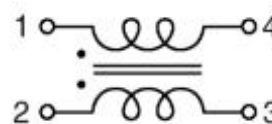


A	B	C	D	E	F	G	H	J	K	
9.5 Max	5.6 Max	5.2 Max	2.54 ±0.5	0.5 Typ	5.5 Typ	1.0 Typ	10.5 Typ	4.5 Typ	2.54 Typ	

三、注意事项/NOTE：

- 1.印字颜色：白色打点
- 2.圆点位于首字正面左上角且朝向PIN1
- 3.0904并绕； 0904S分绕

四、电路图/CIRCUIT DIAGRAM



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五.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance L1-4=L2-3 +50%/-30%	Inductance Test Frequency	Ls L1-4(2- 3short) (Typ)	RDC 1-4=2-3 (m Ω) Max	Rated Current (A) Max	Impedance (Ω) Min	Freq. range (MHz)	Hi-Pot 1,4-2,3 (Vdc) 3mA/3S	Marking	Winding
CLCM-0904-6R0Y-04A	6 uH	100KHz/0.1V	0.03uH	100	2.50	300	20-300	500	● 6R0	Bifilar
CLCM-0904S-100Y-04A	10 uH	100KHz/0.1V	1.60uH	120	0.50	160	20-300	500	● 100	Sector
CLCM-0904-110Y-04A	11 uH	100KHz/0.1V	0.08uH	120	0.50	160	20-300	500	● 110	Bifilar
CLCM-0904-250Y-04A	25 uH	100KHz/0.1V	0.15uH	200	0.50	450	20-150	500	● 250	Bifilar
CLCM-0904S-250Y-04A	25 uH	100KHz/0.1V	1.50uH	200	0.50	450	20-150	500	● 250	Sector
CLCM-0904S-400Y-04A	40 uH	100KHz/0.1V	1.80uH	250	0.80	800	5-100	500	● 400	Sector
CLCM-0904-510Y-04A	51 uH	100KHz/0.1V	0.20uH	300	0.50	800	20-100	500	● 510	Bifilar
CLCM-0904S-510Y-04A	51 uH	100KHz/0.1V	2.00uH	300	0.50	800	20-100	500	● 510	Sector
CLCM-0904-101Y-04A	100 uH	100KHz/0.1V	0.25uH	100	0.50	600	3-20	500	● 101	Bifilar
CLCM-0904S-101Y-04A	100 uH	100KHz/0.1V	0.85uH	100	0.50	600	3-20	500	● 101	Sector
CLCM-0904-471Y-04A	470 uH	100KHz/0.1V	0.28uH	280	0.50	1200	2-15	500	● 471	Bifilar
CLCM-0904S-471Y-04A	470 uH	100KHz/0.1V	0.75uH	280	0.50	1200	2-15	500	● 471	Sector
CLCM-0904S-731Y-04A	730 uH	100KHz/0.1V	0.65uH	255	0.80	1500	2-15	500	● 731	Sector
CLCM-0904-102Y-04A	1000 uH	100KHz/0.1V	0.28uH	300	0.50	1800	1-10	500	● 102	Bifilar
CLCM-0904S-102Y-04A	1000 uH	100KHz/0.1V	0.60uH	300	0.50	1800	1-10	500	● 102	Sector
CLCM-0904-222Y-04A	2200 uH	100KHz/0.1V	0.29uH	400	0.50	3000	0.8-5	500	● 222	Bifilar
CLCM-0904-272Y-04A	2700 uH	100KHz/0.1V	0.30uH	280	0.40	1500	0.8-5	500	● 272	Bifilar
CLCM-0904-302Y-04A	3000 uH	100KHz/0.1V	0.30uH	520	0.35	1500	0.8-5	500	● 302	Bifilar
CLCM-0904-472Y-04A	4700 uH	100KHz/0.1V	0.30uH	700	0.20	5000	0.5-3	500	● 472	Bifilar

Note:

(1).Rated Current: Temp.rise 40℃ Typ

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

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

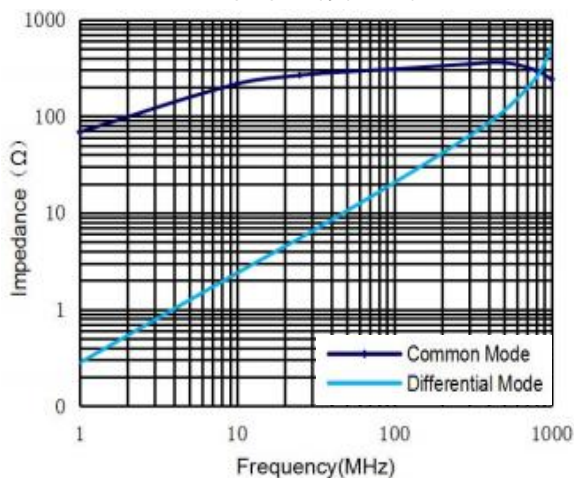
(4).The temperature of electrical characteristic test is 25℃ indoor temperature

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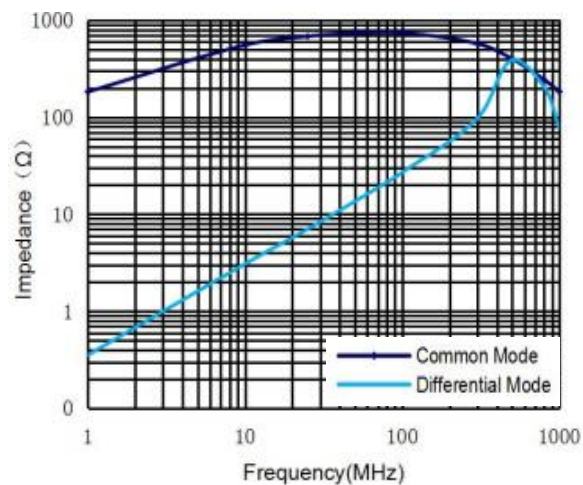
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六.特征曲线/CHARACTERISTICS(REFERENCE)

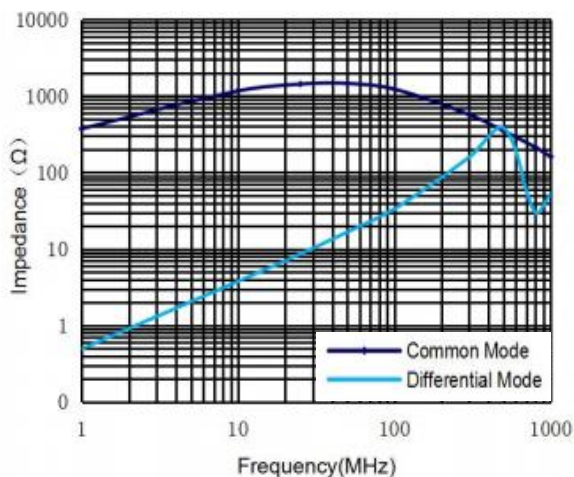
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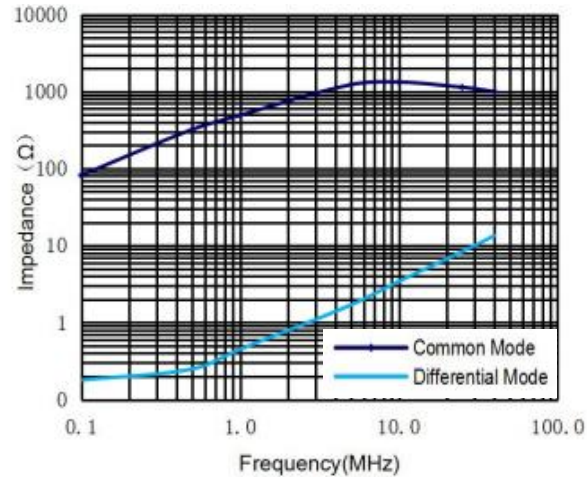
CLCM-0904-250



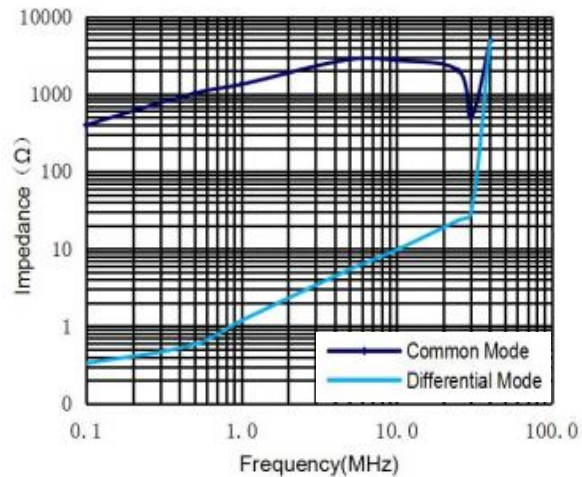
CLCM-0904-510



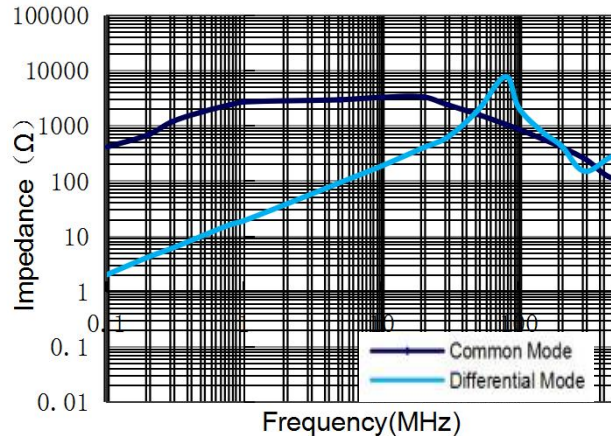
CLCM-0904-101



CLCM-0904-471



CLCM-0904S-731

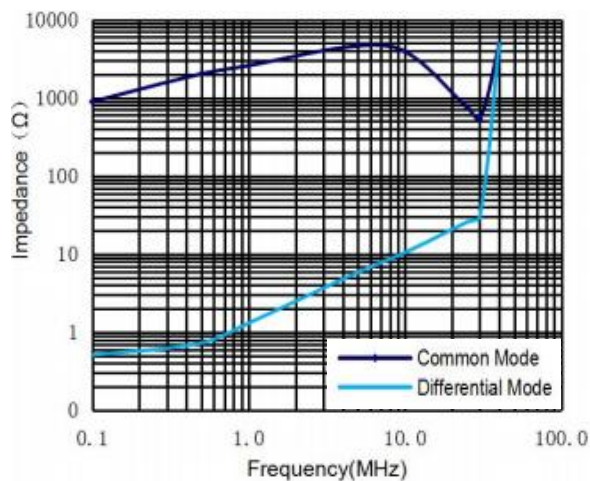


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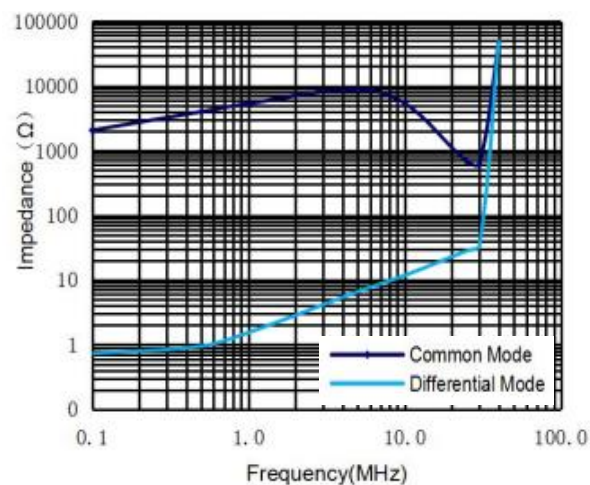
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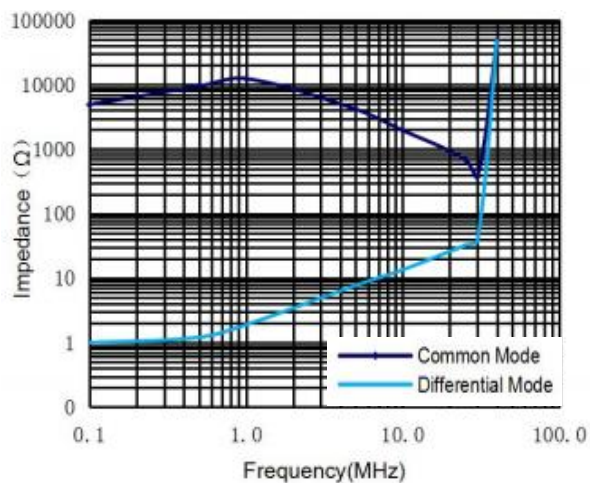
CLCM-0904-102



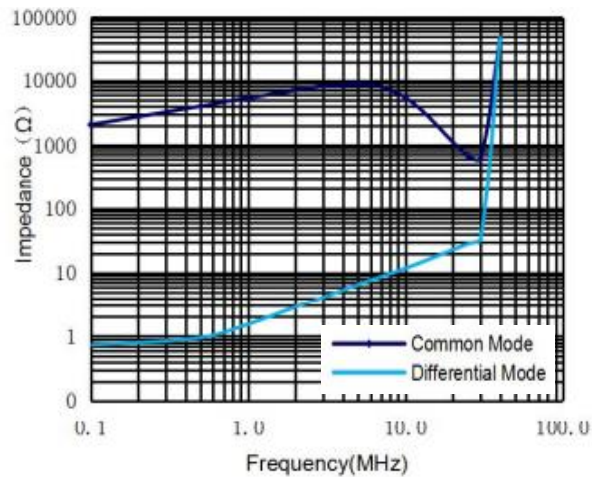
CLCM-0904-222



CLCM-0904-472



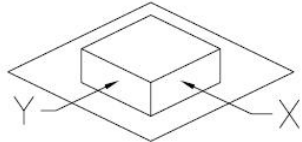
CLCM-0904-272



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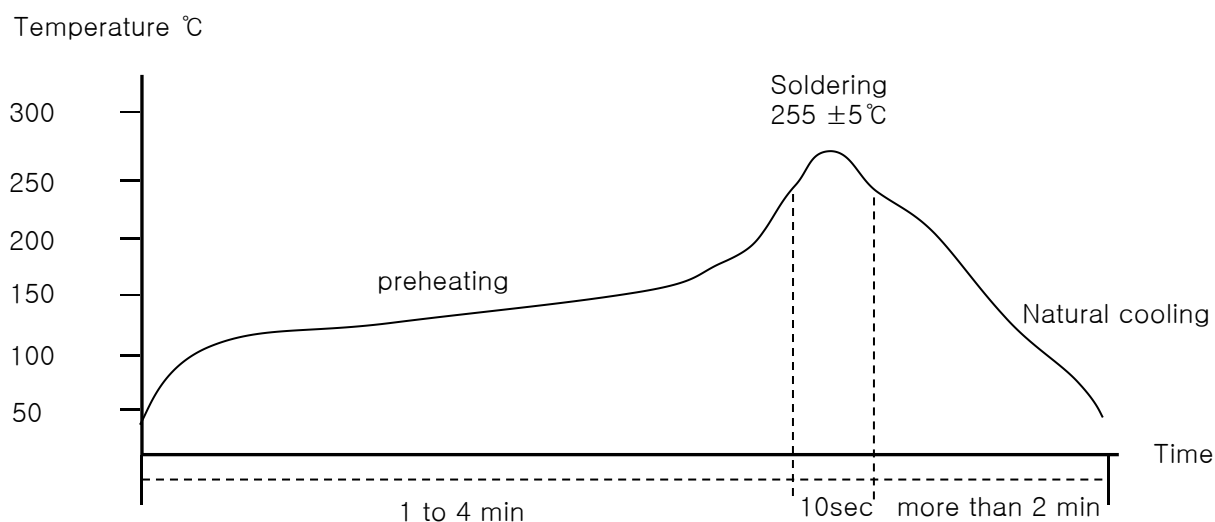
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七.可靠性测试/RELIABILITY TESTING

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 1mA for 3S 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 .

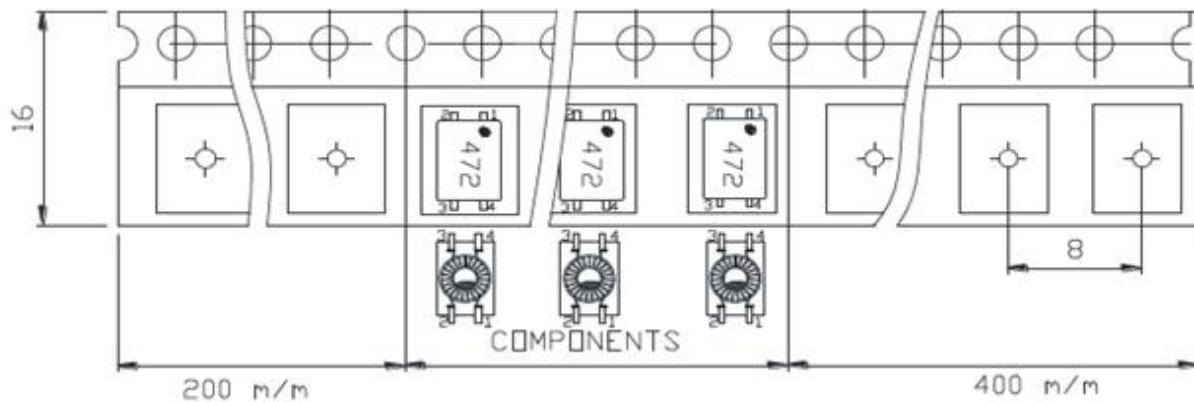
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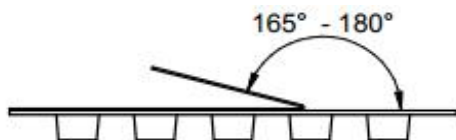
八.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	PLASTIC+C5191(PIN)
3	WIRE	P180 Grd1
4	ADHESIVE	EPOXY RESIN
5	SOLDER	LEAD-FREE
6	INK	WHITE

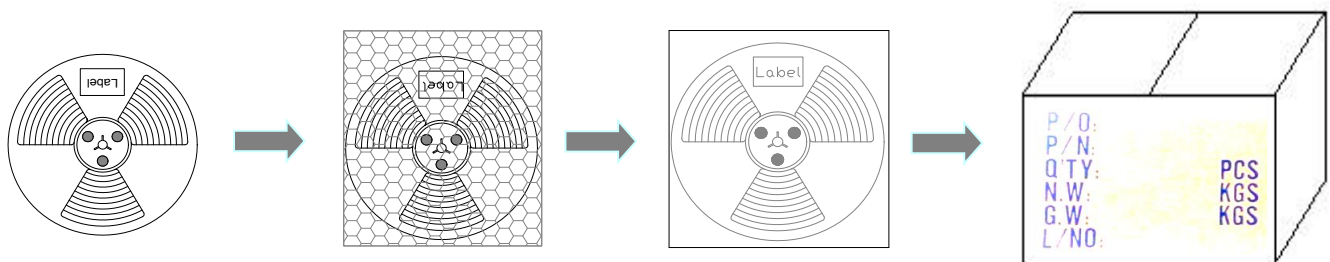
九.包装规格/PACKING SPECIFICATIONS



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	8 mm	10~120g



轮盘：13'(直径330mm)
数量：1500PCS/盘

PE袋
数量：1500PCS/袋

内盒
数量：4500PCS/盒

外箱，数量：22500PCS/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℃ 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℃ 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.)