



南充新川电子科技有限公司

New Energy Technology Ltd.



产品符合AEC-Q200

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 P/N

新川料号

ACLCM-1513CT-02B(SERIES)

NET P/N

文件编号

NET-WI-E-24051005

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

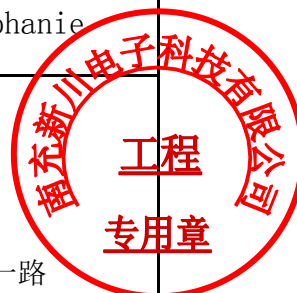
公司名称: 南充新川电子科技有限公司

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修改记录/MODIFY RECORDS

[illegible]

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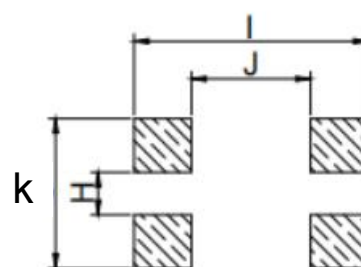
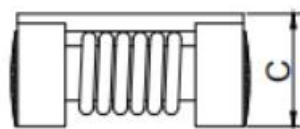
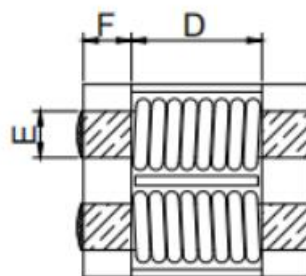
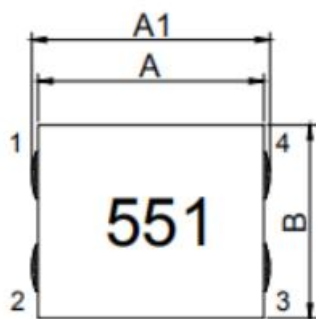
一、产品识别/PRODUCT IDENTIFICATION：

ACLCM — 1513CT — 701 — □ 02 B

(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Dimensions
- (3) Impedance(700=70Ω 701=700Ω 702=7000Ω)
- (4) Special identification (HP:large current)
- (5) Marking
- (6) Packing

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



Pad Layout

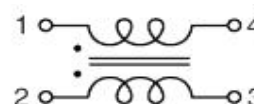
Pad Layout

A	A1	B	C	D	E	F	k	H	I	J
15.0 ±0.5	15.6 ±0.5	13.0 ±0.5	6.6 Max	9.4 Typ	2.6 Typ	2.5 Typ	9.5 Typ	3.3 Typ	16.0 Typ	8.8 Typ

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	Impedance (Ω) @100MHz		DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (Vdc) Max	Insulation Resistance 80V/3S (M Ω) Min	Marking	Note
	MIN	TYP						
ACLCM-1513CT-101-HP02B	100	190	3.5	20.0	125	10	101	双线
ACLCM-1513CT-301-02B	225	300	5.0	13.0	125	10	301	
ACLCM-1513CT-301-HP02B	225	300	4.0	15.0	125	10	301	双线
ACLCM-1513CT-501-02B	400	500	6.0	10.0	125	10	501	
ACLCM-1513CT-551-02B	400	550	6.0	10.0	125	10	551	
ACLCM-1513CT-551-HP02B	400	550	5.0	12.0	125	10	551	双线
ACLCM-1513CT-601-02B	500	600	7.0	10.0	125	10	601	
ACLCM-1513CT-701-02B	500	700	7.0	10.0	125	10	701	
ACLCM-1513CT-102-02B	800	1000	10.0	9.0	125	10	102	
ACLCM-1513CT-152-02B	1200	1500	23.0	8.0	125	10	152	
ACLCM-1513CT-232-02B	1800	2300	11.0	7.0	125	10	232	
ACLCM-1513CT-302-02B	2500	3000	75.0	4.0	125	10	302	

Note:

(1).Rated Current: Temp.rise 40°C Typ

(2).Operating Temperature: -40°C up to +125°C

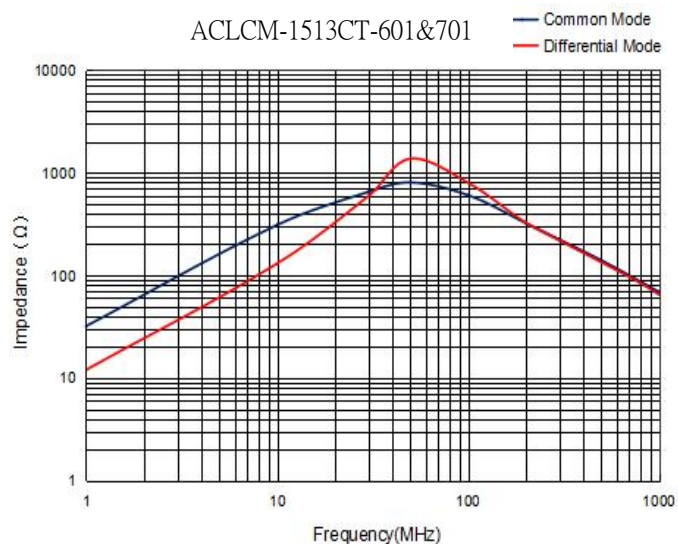
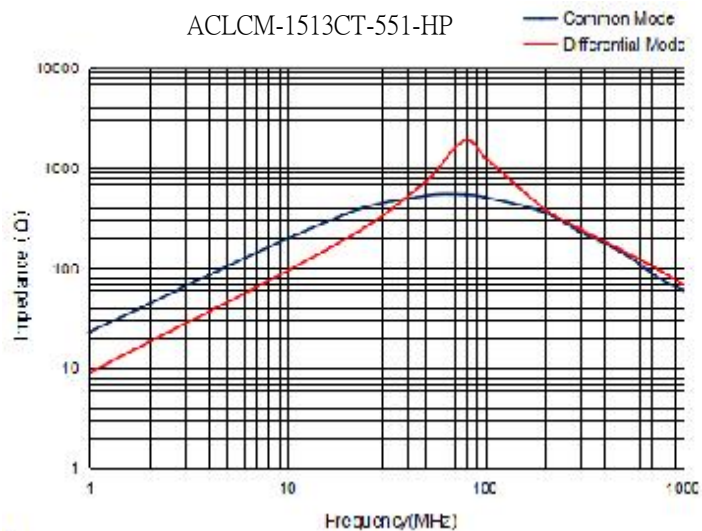
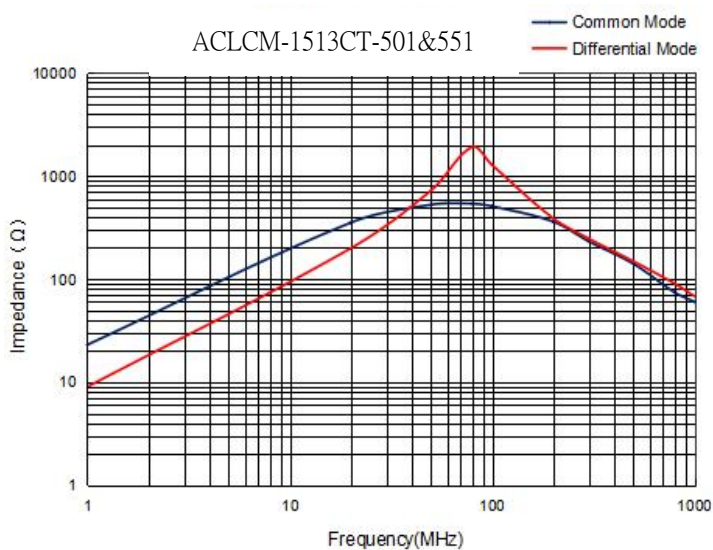
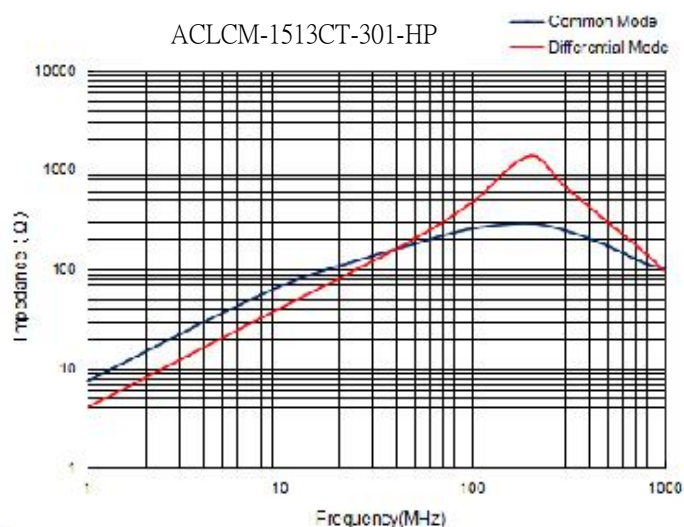
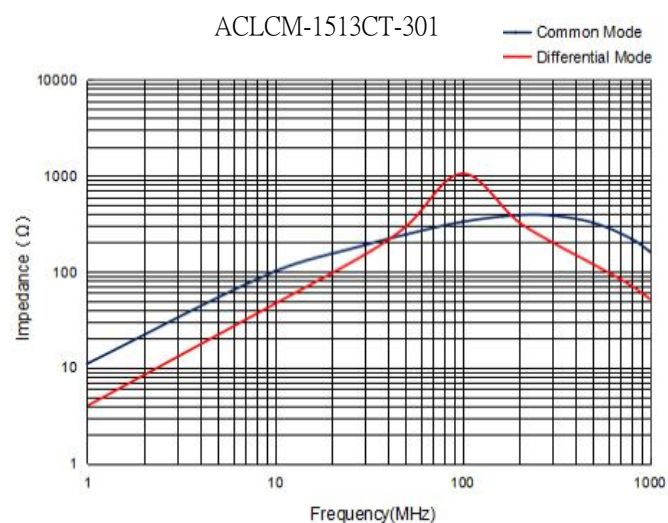
(3).Storage Temperature: 15°C up to 25°C, 65% RH max.

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

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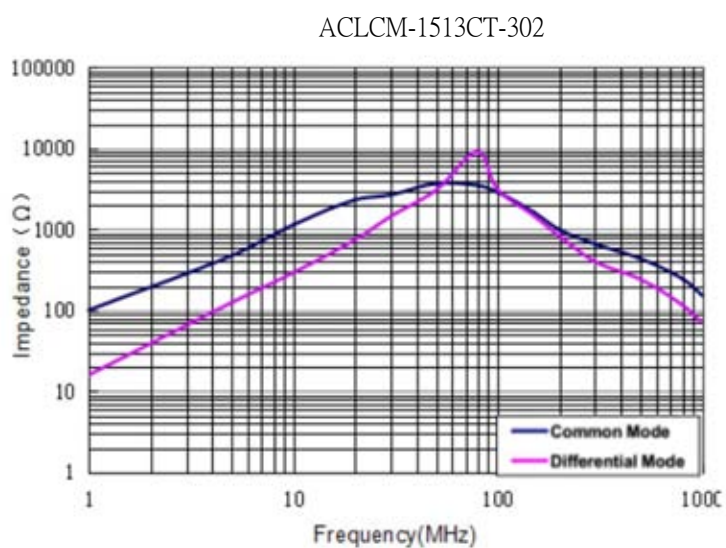
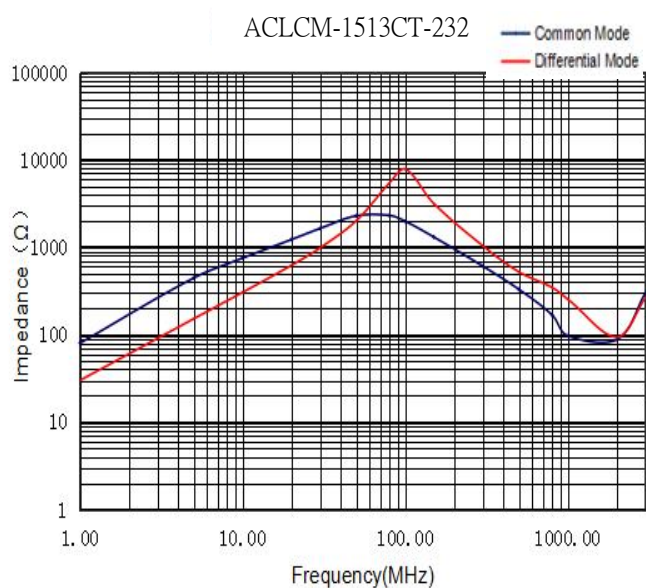
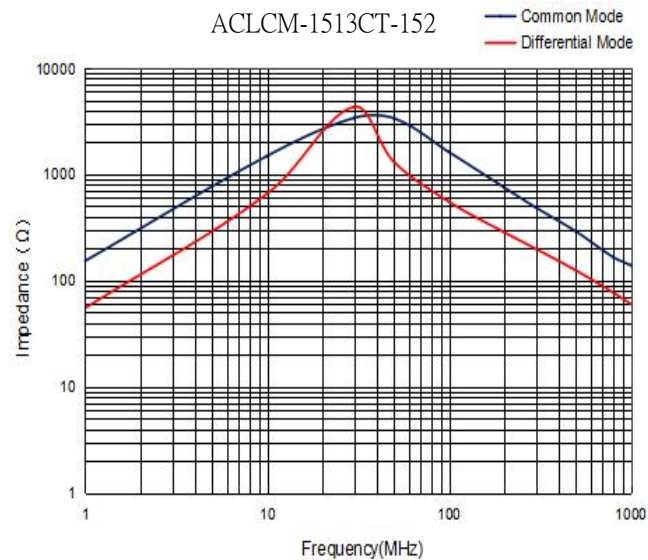
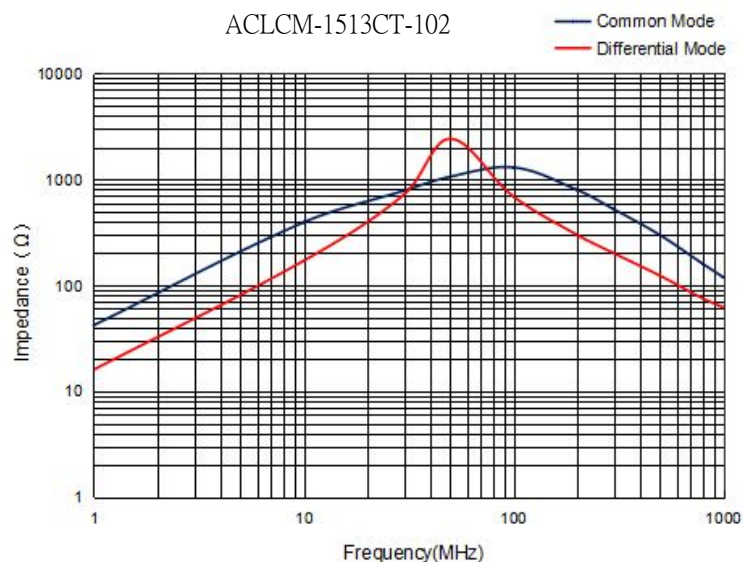
六.特征曲线/CHARACTERISTICS(REFERENCE)



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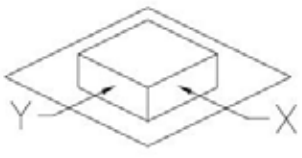
六.特征曲线/CHARACTERISTICS(REFERENCE)



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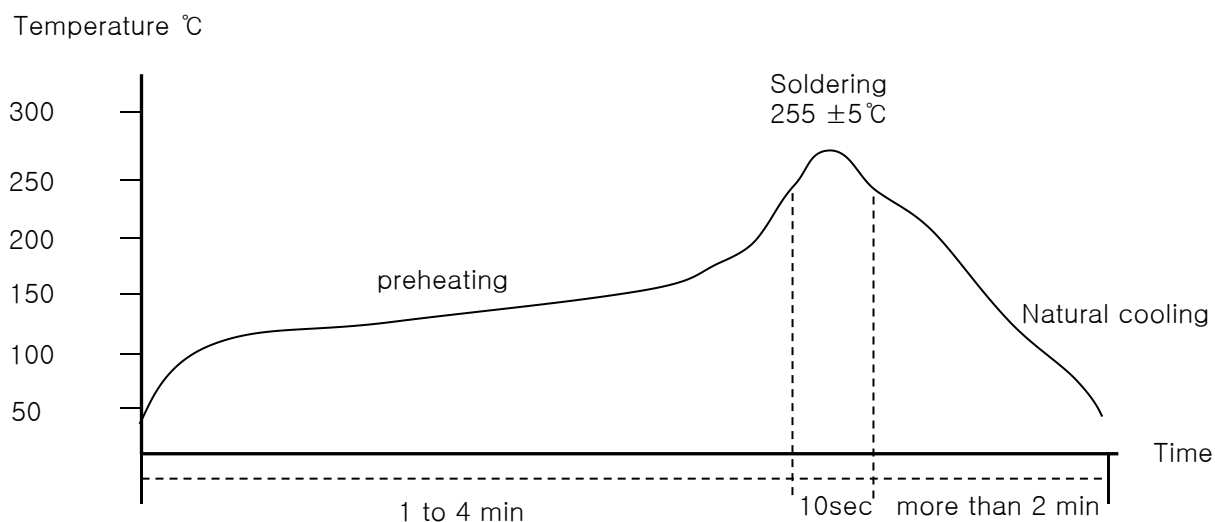
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七.可靠性测试/RELIABILITY TESTING

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 10 MΩ at 80V 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~ + 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 .

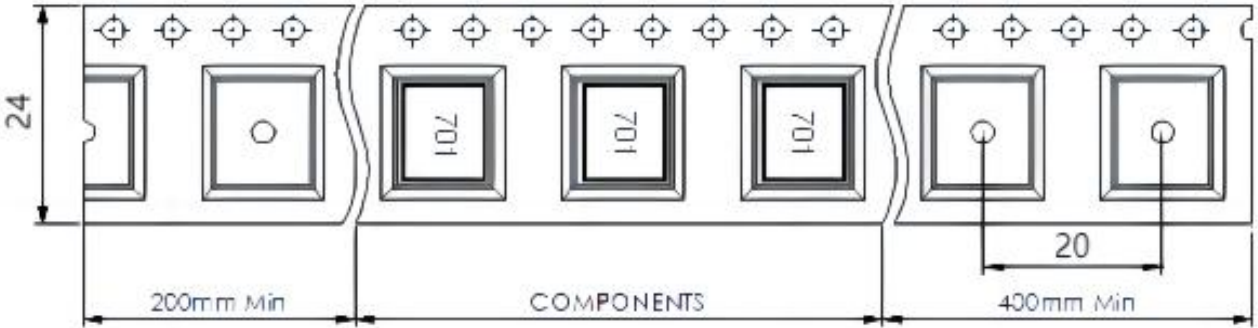
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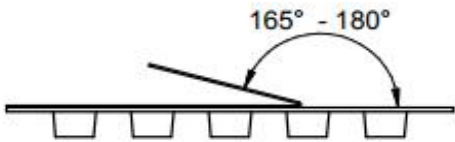
八.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	COVER	LCP
3	CLIP	C1100 P2
4	WIRE	P180 Grd1
5	ADHESIVE	EPOXY RESIN
6	SOLDER	LEAD-FREE
7	INK	WHITE

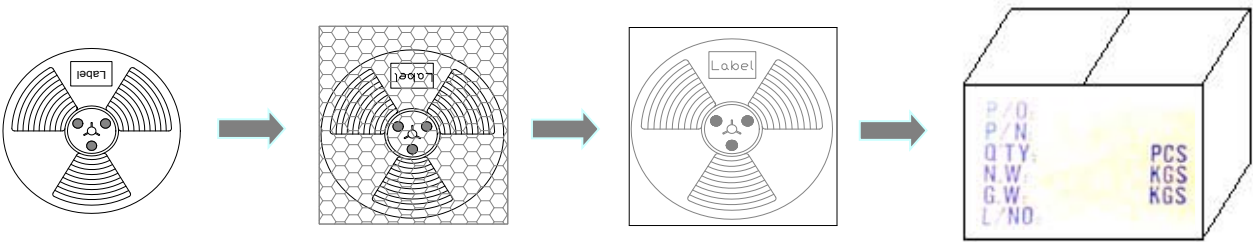
九.包装规格/PACKING SPECIFICATIONS



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
24 mm	20 mm	10~120g



轮盘：13'(直径330mm)
数量：350PCS/盘

PE袋
数量：350PCS/袋

内盒
数量：750PCS/盒

外箱，数量：3500PCS/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.Recommended range of products from NET: vehicle, medical, etc., can also replace industrial products in general electronic equipment.

(新川此系列產品推荐使用范围：車載,醫療等，也可替代工規品用于一般電子設備中)

2. When the company's products are used other than vehicle, medical and general electronic equipment, such as military, aviation, aerospace, etc., please contact the business department of the company and request the description, otherwise the company shall not assume any relevant responsibility for the machine failure caused beyond the scope recommended by the company.

(當本公司產品使用在車載,醫療及一般電子設備以外,如: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，否則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.)