



新川电子
New Energy Technology Ltd.

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 P/N

新川料号

CLCM-4520F-02A(SERIES)

NET P/N

文件编号

NET-WI-E-019

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

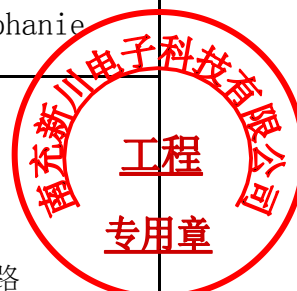
公司名称：南充新川电子科技有限公司

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网 址：http://www.net-cn

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地 址：四川省南充市顺庆区高新科技产业园区科技一路



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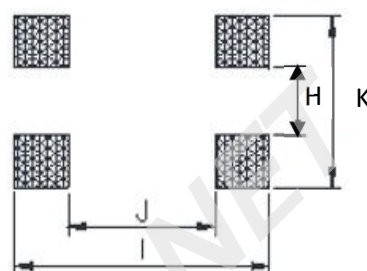
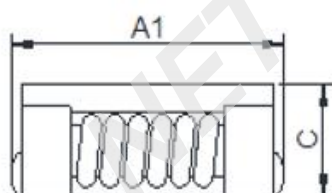
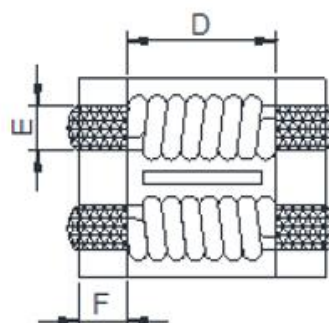
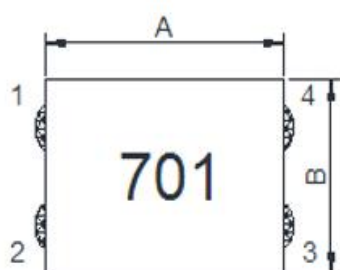
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	A1
产品类型 PRODUCT TYPE	Common Mode Line Filter	新川品名 NET P/N	CLCM-4520F-02A(SERIES)	文件编号 FILE NO.	NET-WI-E-019

一、产品识别/PRODUCT IDENTIFICATION：

CLCM — 4520F — 701 — 02 A
 (1) (2) (3) (4) (5)

- (1) Series
- (2) Dimensions
- (3) Impedance(700=70Ω 701=700Ω 702=7000Ω)
- (4) Marking
- (5) Packing

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



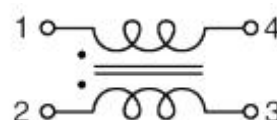
Pad Layout

A	A1	B	C	D	E	F	K	H	I	J
4.7 ±0.5	5.2 ±0.5	4.5 ±0.5	2.3 Max	2.7 Typ	0.8 Typ	1.0 Typ	3.0 Typ	1.0 Typ	6.0 Typ	2.0 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 50V/3S (M Ω) Min	Marking	Note
	MIN	TYP						
CLCM-4520F-900-02A	60	90	35.0	3.2	50	10	900	
CLCM-4520F-151-02A	90	150	40.0	3.1	50	10	151	
CLCM-4520F-231-02A	180	230	45.0	3.0	50	10	231	
CLCM-4520F-301-02A	200	300	45.0	3.0	50	10	301	
CLCM-4520F-401-02A	300	420	50.0	2.5	50	10	401	
CLCM-4520F-421-02A	350	420	50.0	2.5	50	10	421	
CLCM-4520F-501-02A	300	500	55	2.4	50	10	501	
CLCM-4520F-701-02A	500	700	59.0	2.2	50	10	701	
CLCM-4520F-901-02A	650	900	68.0	2.1	50	10	901	
CLCM-4520F-102-02A	800	1000	68.0	2.1	50	10	102	
CLCM-4520F-122-02A	1000	1200	74.0	2.0	50	10	122	
CLCM-4520F-142-02A	1200	1400	81.0	1.9	50	10	142	

Note:

(1).Rated Current: Temp.rise 40°C Typ

(2).Operating Temperature: -40°C up to +105°C

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

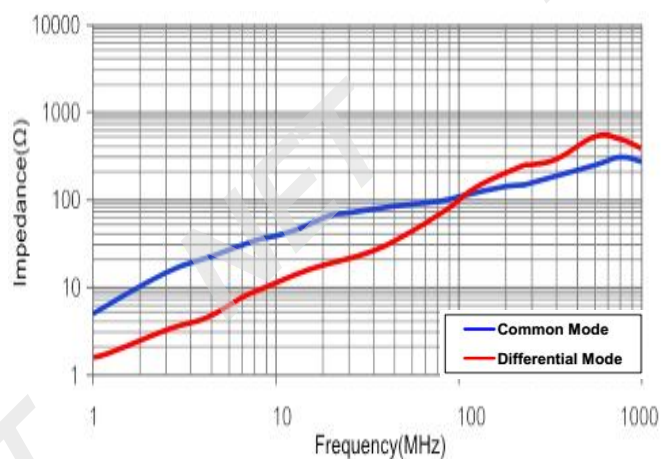
(4).The temperature of electrical characteristic test is 25°C indoor temperature

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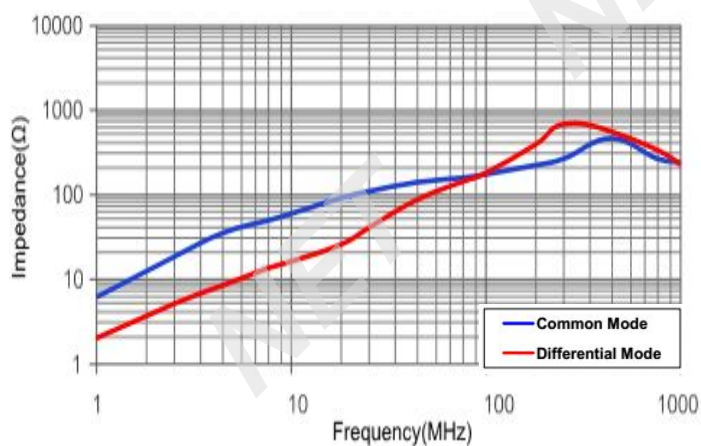
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六.特征曲线/CHARACTERISTICS(REFERENCE)

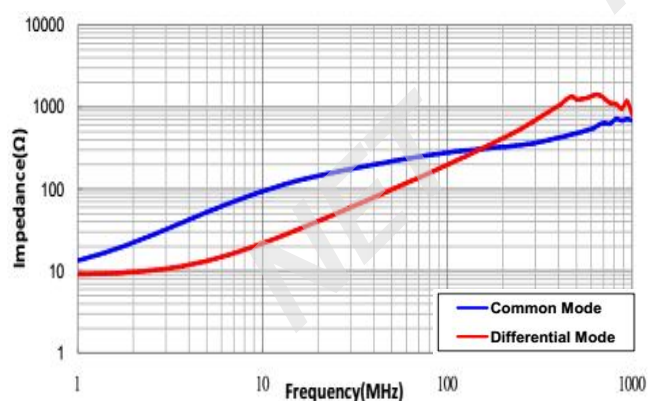
CLCM-4520F-900



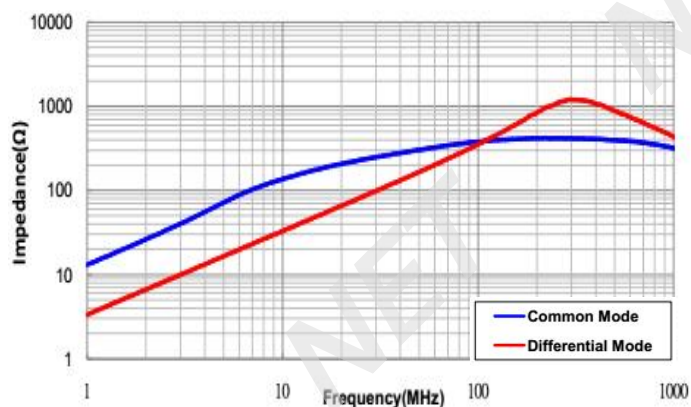
CLCM-4520F-151



CLCM-4520F-231&301



CLCM-4520F-401&421

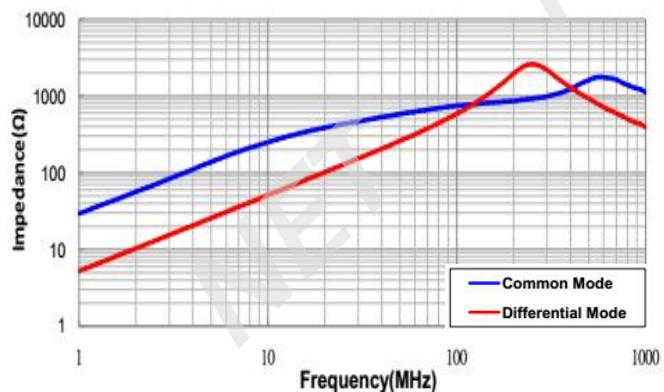


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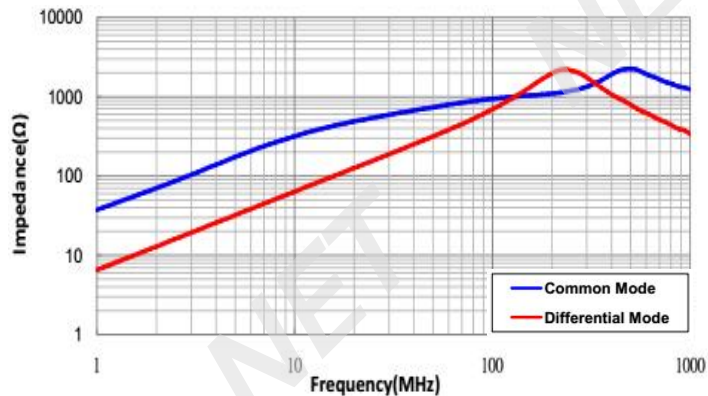
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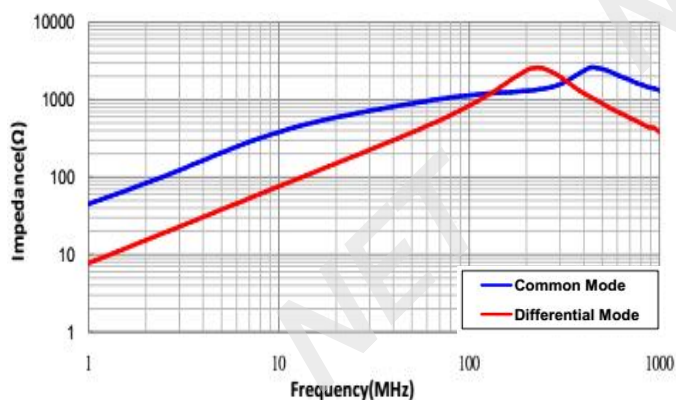
CLCM-4520F-701



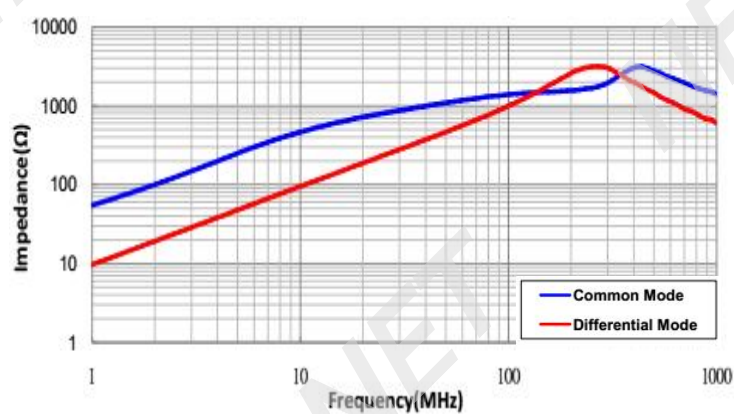
CLCM-4520F-901&102



CLCM-4520F-122



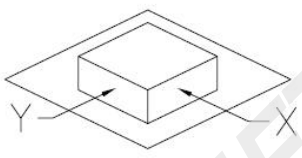
CLCM-4520F-142



产品承认书/SPECIFICATION FOR APPROVAL

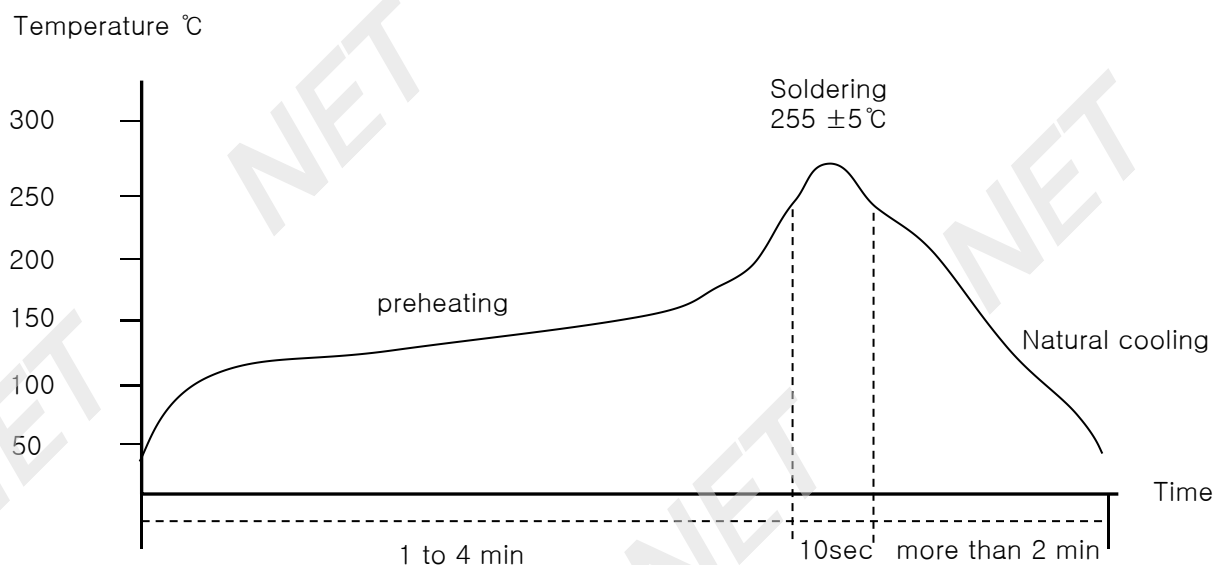
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产品类型 PRODUCT TYPE	Common Mode Line Filter	新川品名 NET P/N	CLCM-4520F-02A(SERIES)	文件编号 FILE NO.	NET-WI-E-019

七.可靠性测试/RELIABILITY TESTING

Operating Temperature	- 40 to +105 °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~ + 105 °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 .

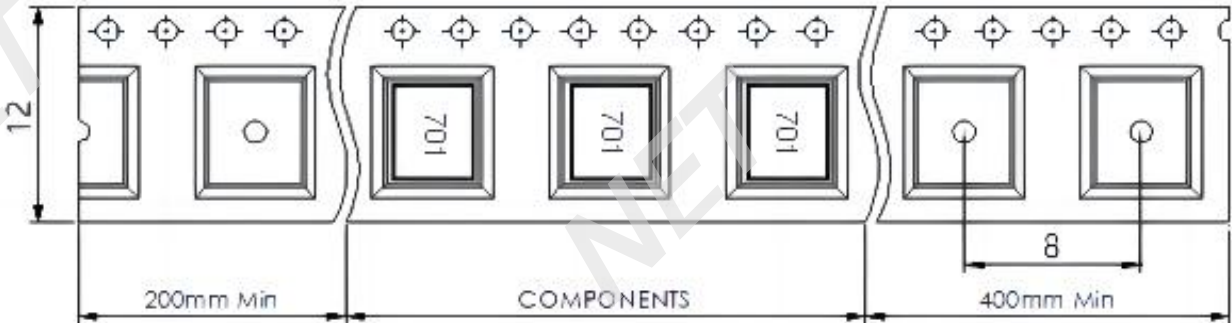
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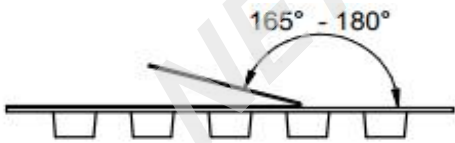
八.材料清单/MATERIAL LIST

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

九.包装规格/PACKING SPECIFICATIONS



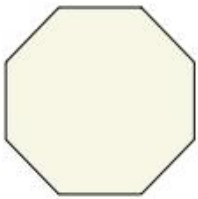
Transparent carrier and cover tape/透明载带和热封上带，预留前40CM后20CM



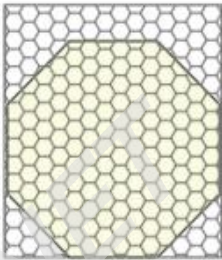
Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g



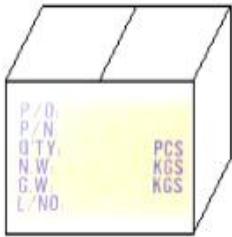
轮盘：7'(直径178mm)
数量：1000PCS/盘



内盒
数量：4000PCS/盒



套 PE袋
数量：4000PCS/袋



外箱，数量：20000PCS/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.)