

# Specification For Approval

Customer	
Product Name	Wire Wound Molded SMD Power Inductors
Customer P/N:	
Cjiang P/N:	FACM7060F-Series

[  New Released,  Revised]

SPEC No.:

REMARK:		
Customer Approval Feedback		

●深圳市长江微电科技有限公司

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## Version change history

Rev	Date	Description	APPROVED	CHECKED	DRAWN
1.0	2022/8/9	文件制定	Bond	Charles	王云燕
2.0	2023/12/27	更改规范	Bond	Charles	王云燕

# 产品承认书/SPECIFICATION FOR APPROVAL

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	品名 NET P/N	FACM7060F(SERIES)	文件编号 FILE NO.	NET-WI-E-027

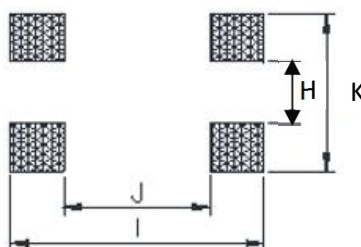
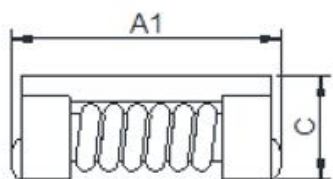
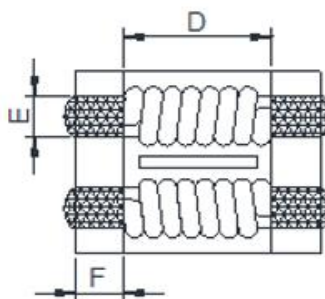
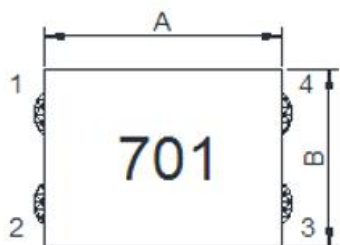
## 一、产品识别/PRODUCT IDENTIFICATION:

FACM 7060F — 701 T

(1) (2) (3) (4)

- (1) Series
- (2) Dimensions
- (3) Impedance(700=70Ω    701=700Ω    702=7000Ω )
- (4) 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
7.0 ±0.5	7.5 ±0.5	6.0 ±0.5	3.8 Max	3.5 Typ	1.5 Typ	1.7 Typ	5.0 Typ	1.5 Typ	8.0 Typ	3.0 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 (mΩ) Max	Rated Current (A) Max	Rated Voltage (Vdc) Max	Insulation Resistance 80V/3S (MΩ) Min	Marking	Note
	MIN	TYP						
FACM7060F-400T	40	70	5.0	15.5	125	10	400	
FACM7060F-101T	100	140	10.0	10.0	125	10	101	
FACM7060F-301T	225	300	10.0	5.5	125	10	301	
FACM7060F-501T	275	450	10.0	5.5	125	10	501	
FACM7060F-601T	500	700	15.0	5.0	125	10	601	
FACM7060F-701T	500	700	15.0	5.0	125	10	701	
FACM7060F-102T	800	1020	17.0	3.5	125	10	102	
FACM7060F-132T	910	1300	21	3.0	125	10	132	
FACM7060F-222T	1400	2200	63	1.5	125	10	222	
FACM7060F-272T	2000	2700	63	1.3	125	10	272	
FACM7060F-302T	2500	3000	75	1.0	125	10	302	
FACM7060F-402T	3300	4000	100	0.9	125	10	402	

Note:

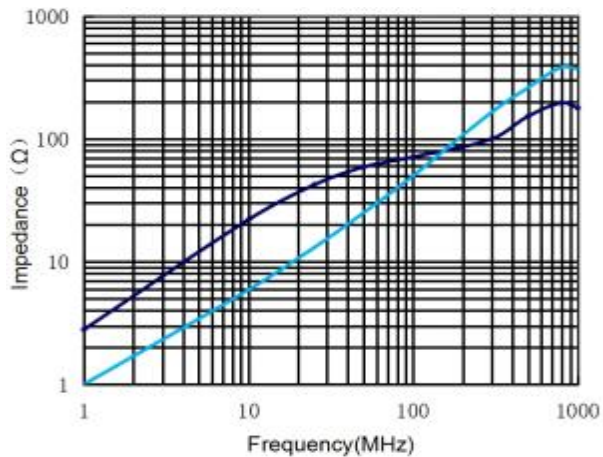
- (1).Rated Current: Temp.rise 40°C Typ
- (2).Operating Temperature: -40°C up to +155°C
- (3).Storage Temperature: 15°C up to 25°C, 65% RH max.
- (4).The temperature of electrical characteristic test is 25°C indoor temperature

# 产品承认书/SPECIFICATION FOR APPROVAL

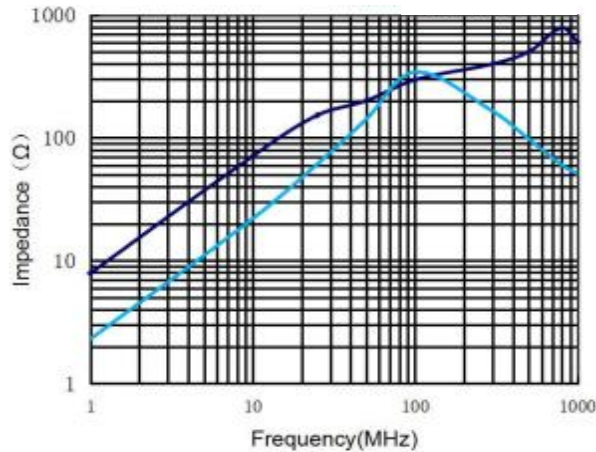
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## 六.特征曲线/CHARACTERISTICS(REFERENCE)

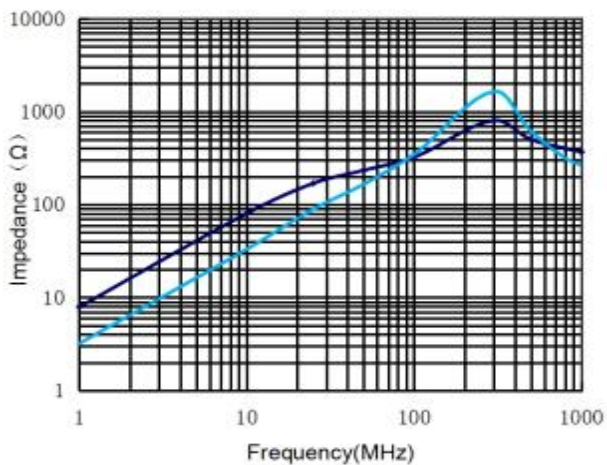
FACM7060F-400T



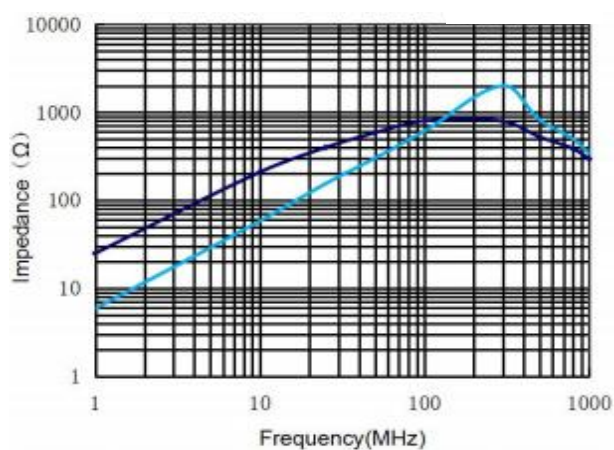
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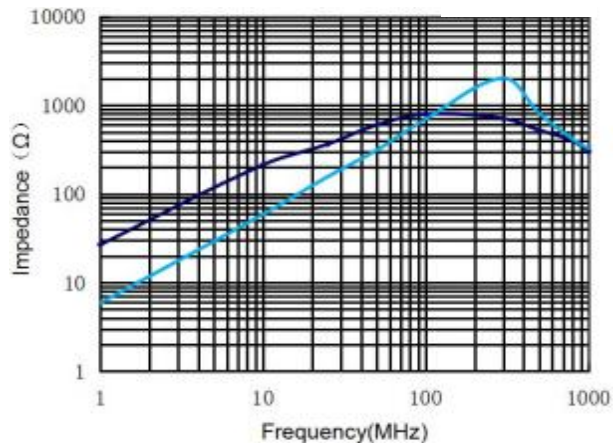
FACM7060F-301T



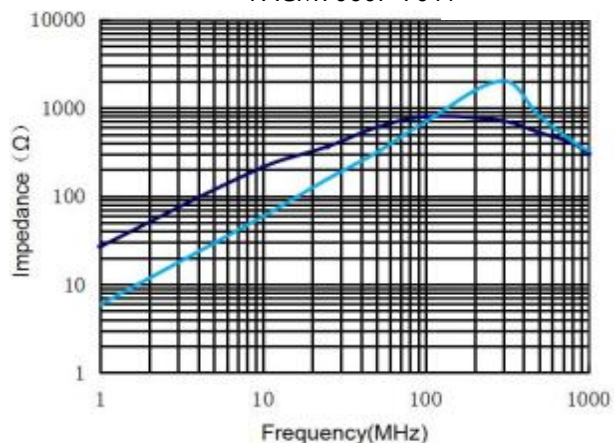
FACM7060F-501T



FACM7060F-601T



FACM7060F-701T

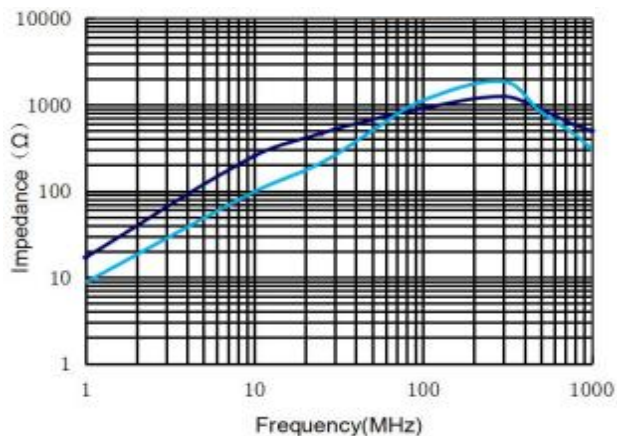


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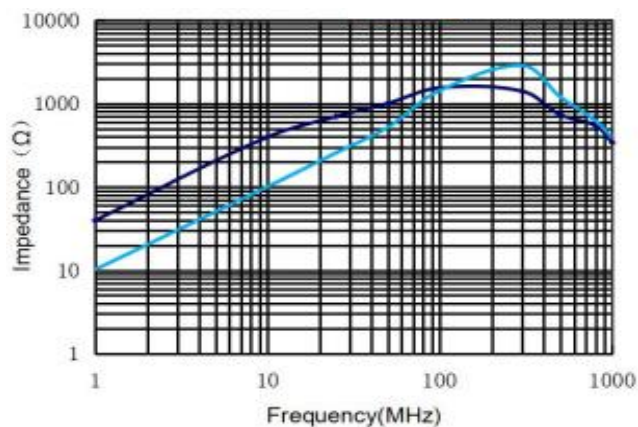
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## 六.特征曲线/CHARACTERISTICS(REFERENCE)

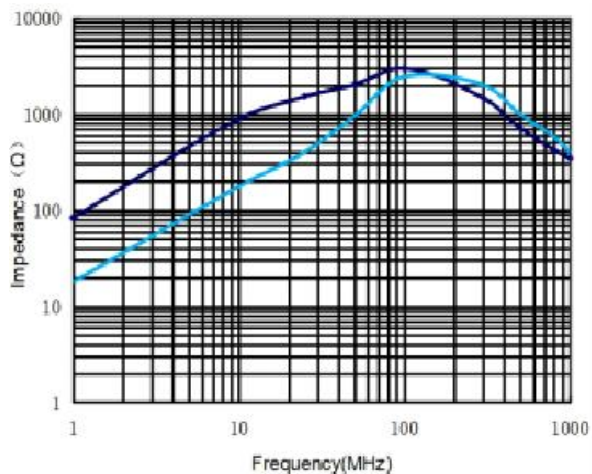
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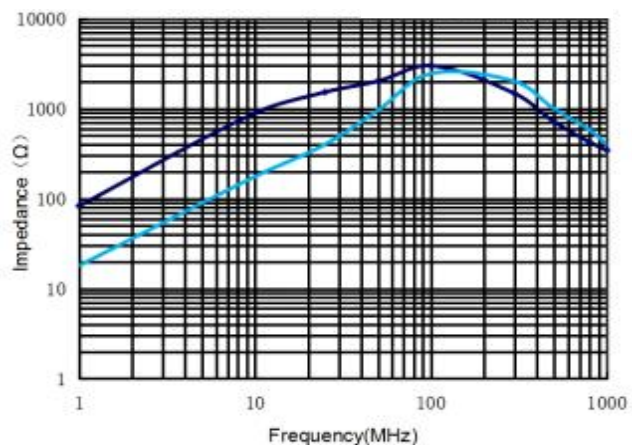
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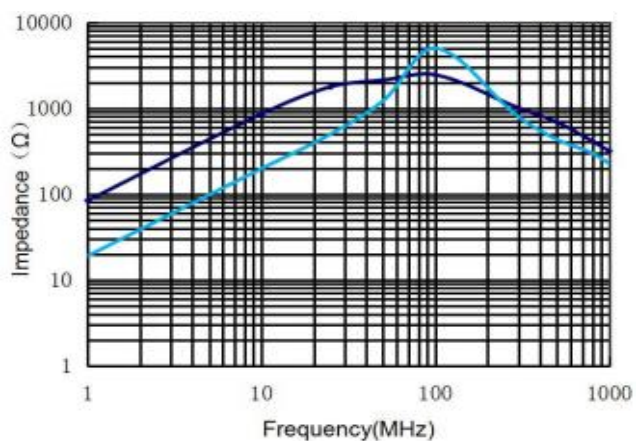
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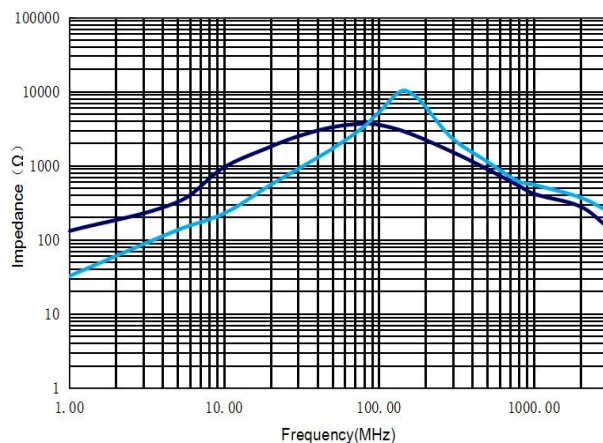
FACM7060F-272T



FACM7060F-302T



FACM7060F-402T

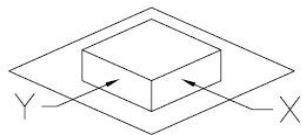


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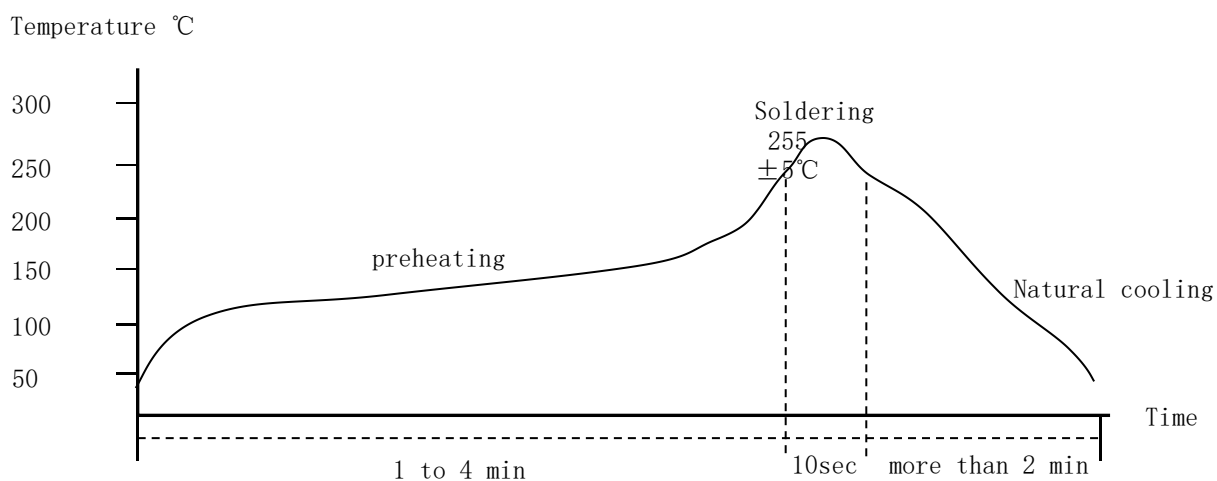
## 七. 可靠性测试/RELIABILITY TESTING

Operating Temperature	- 40 to +155 °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~ + 155 °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 .

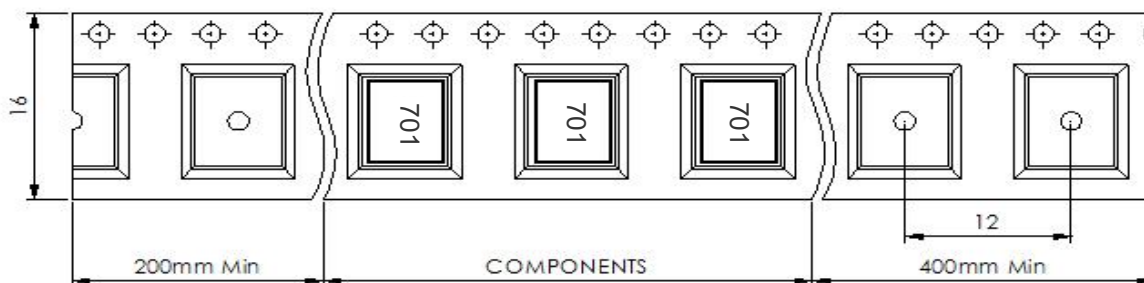
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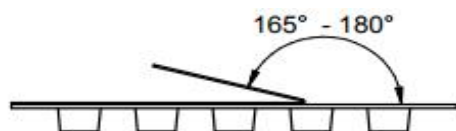
### 八. 材料清单/MATERIAL LIST

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

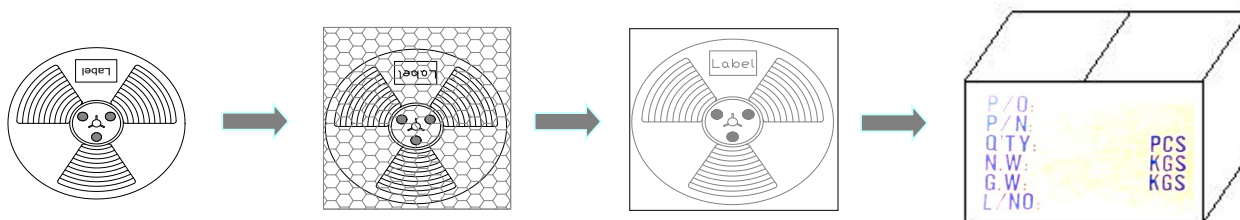
### 九. 包装规格/PACKING SPECIFICATIONS



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
16 mm	12 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.Recommended range of products from NET: vehicle, medical, etc., can also replace industrial products in general electronic equipment.

( 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.)