

SPECIFICATION FOR APPROVAL

承 認 書

CUSTOMER

客戶名稱：

NUMBER

编号： L-9070

DESCRIPTION

品 名： Common Mode Line Filter

QUANTITY

數量： 20 PCS

PART NO.

型 號： CCM9070A Series

DATE

日期： 2023-07-28

CUSTOMER PART NO.

客戶料號：

NOTE

注解：

APPROVAL SIGNATURE

客戶承認簽章

Approved By 核 准	Checked By 审 查	Drawn By 制 作
李 庆 辉	刘 志 坚	劳 水 花

深圳市柯爱亚电子有限公司

Shenzhen Ceaiya Electronics Co., Ltd.

深圳地址： 深圳市龙华区高新技术开发区捷顺科技中心 B706

东莞地址： 东莞市清溪镇力合紫荆智造中心 10 栋一单元

[Http://www.szceaiya.com](http://www.szceaiya.com)

Tel: 0769-89135516

Fax: 0769-89135519



SPECIFICATIONS

TYPE:

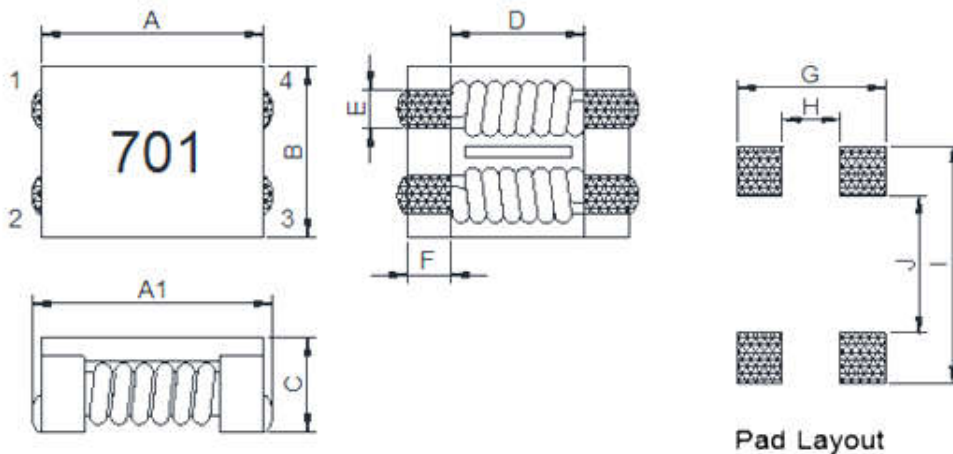
CCM9070A Series

1. Scope

This specification apply for CCM9070A Common mode filter

2. Appearance

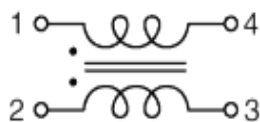
2-1.Dimensions(mm)



A	9.0±0.5
A1	9.5±0.5
B	7.0±0.5
C	4.8Max.
D	5.6 Typ.
E	1.5 Typ.
F	1.7 Typ.
G	5.5 Typ.
H	1.5 Typ.
I	10.5 Typ.
J	5.0 Typ.

3. Coils Specification

3-1. Connection (Bottom View)



3-2. Electronical characteristics

Part No.	Impedance (Ω) @100MHz		DC Resistance (mΩ) Max.	Rated Current (A)Max.	Rated Voltage (Vdc) Max.	Insulation Resistance (MΩ) MIN	Marking
	MIN	Typ.					
CCM9070A-301	225	300	6	6.0	80	10	301
CCM9070A-501	450	600	8	5.5	80	10	501
CCM9070A-701	500	700	10	5.0	80	10	701
CCM9070A-102	750	1000	13	4.0	80	10	102
CCM9070A-152	1100	1500	18	3.5	50	10	152
CCM9070A-222	1700	2200	60	2.5	80	10	222
CCM9070A-302	2500	3000	80	2.0	80	10	302

a . Rated Current: Temp. rise 40°C Typ.

b . Operating temp.: -40°C up to +125°C (Temp. rise included)

c . Storage Temperature: -20°C up to +40°C,75% RH Max.

Note :

Spec. No.

L-9070

SPECIFICATIONS

TYPE:

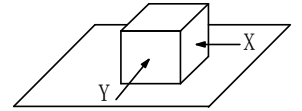
CCM9070A Series

4. General Characteristics

4-1. Storage Temperature range : $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$

4-2. Operating temperature range: $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$ (Including coil's self temperature rise)

4-3. External appearance : No external defects can be found in the visual inspection.



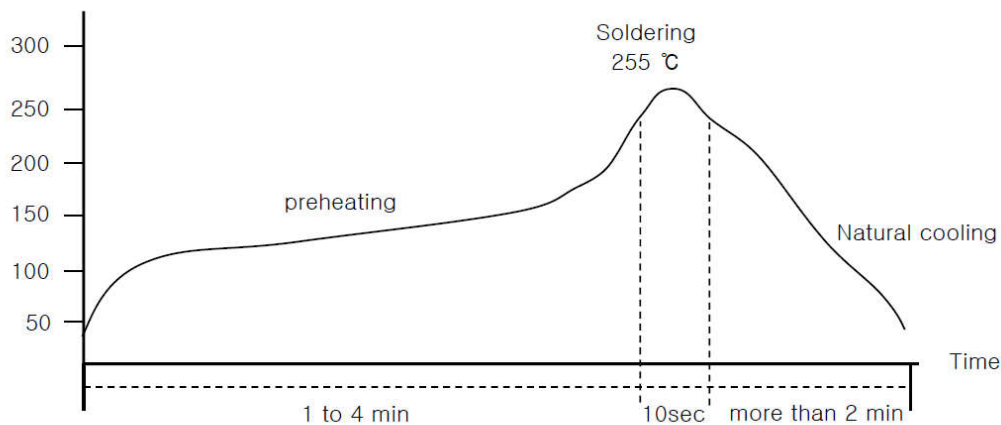
4-4. Electrode strength : No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10 ± 2 seconds after soldering between copper plate and the electrodes. (Refer to figure at right)

4-5. Vibration test : Inductance deviation is within $\pm 3.0\%$ after 1 hour sweeping vibration in each three directions, namely, forward and backward, up and down, right and left. The frequency is $10 \sim 55 \sim 10\text{Hz}$ and the amplitude of 1 minute cycle is 1.5mm PP.

4-6. Humidity test : Inductance deviation is within $\pm 5.0\%$ after 96 ± 4 hours test under the condition of relative humidity of $90 \sim 95\%$ and temperature of $60 \pm 2^{\circ}\text{C}$, and 1 hour storage under room ambient conditions after the device is wiped with dry cloth.

4-7. Recommended reflow condition :

Temperature $^{\circ}\text{C}$



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

Note :

Spec. No.

L-9070

SPECIFICATIONS

TYPE:

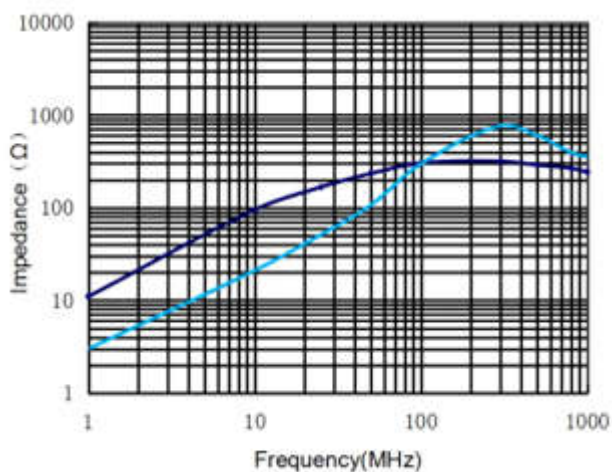
CCM9070A Series

5. Material list

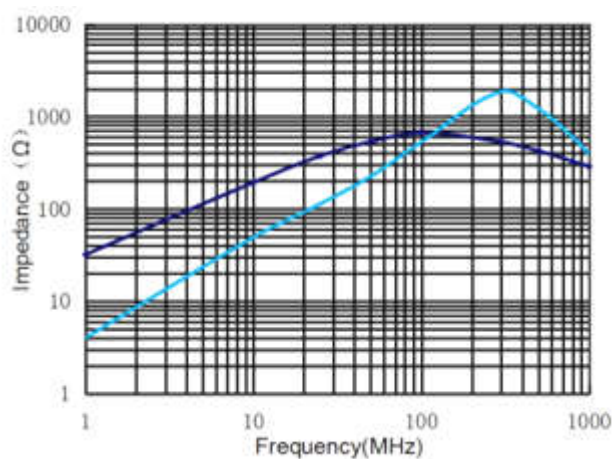
No.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	LCP
3	WIRE	P180 G1
4	ADHESIVE	EPOXY RESIN
5	TIN	107H
6	INK	BLACK

6. CHARACTERISTICS (REFERENCE)

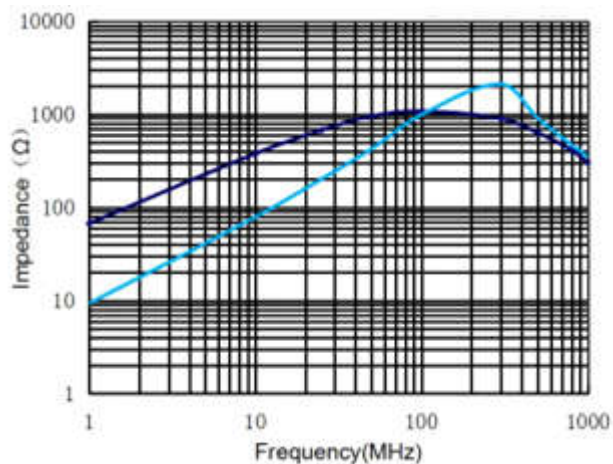
CCM9070A-301



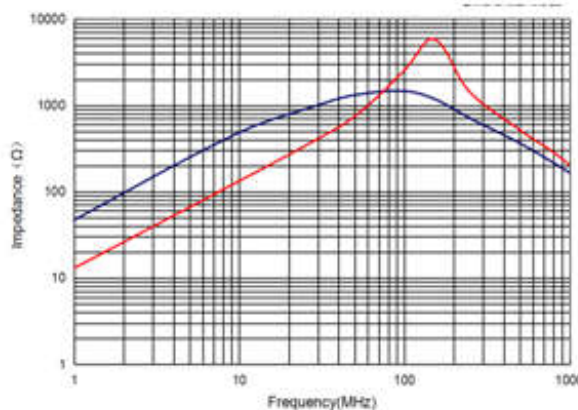
CCM9070A-701



CCM9070A-102



CCM9070A-152



Note :

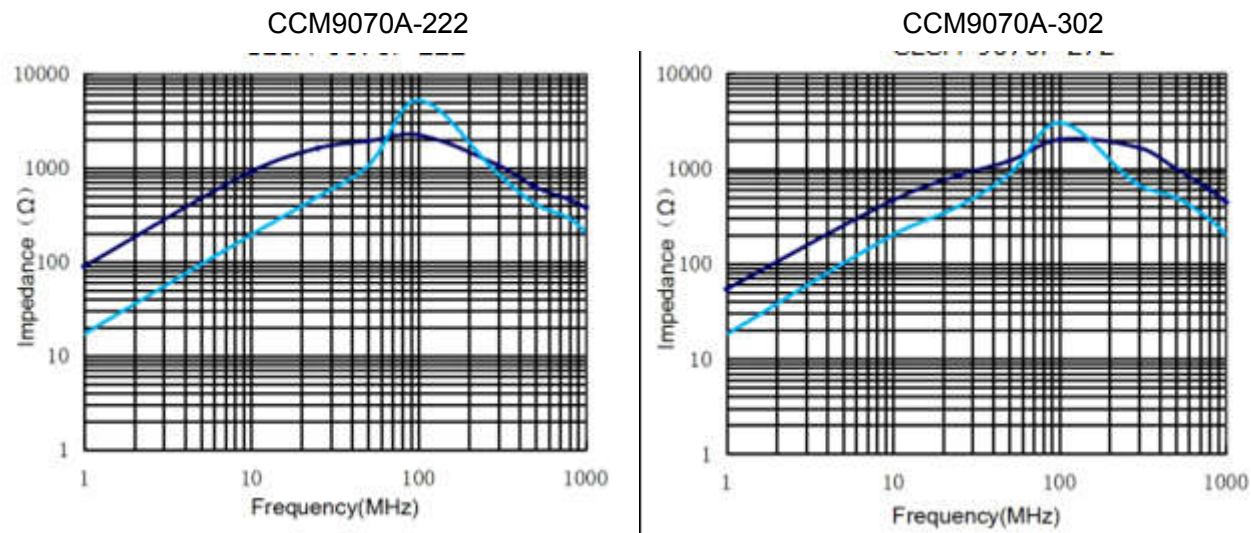
Spec. No.

L-9070

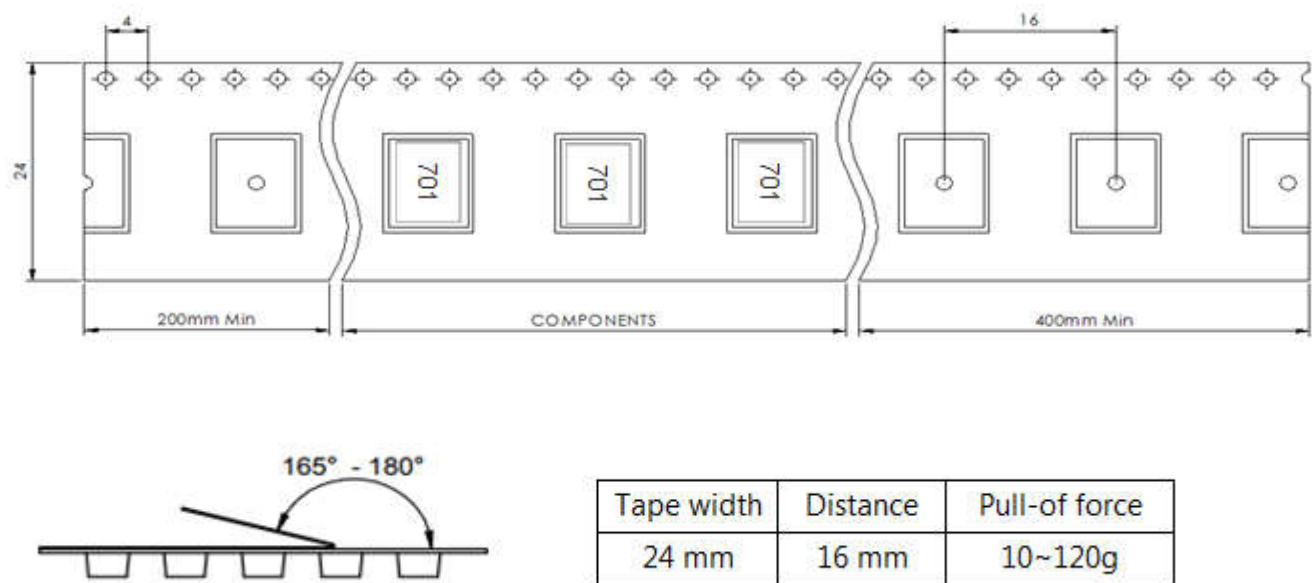
SPECIFICATIONS

TYPE:
CCM9070A Series

6. CHARACTERISTICS (REFERENCE)



7. PACKAGING INFORMATION:



PACKAGE SPECIFICATION:
700PCS/Reel

Note :	Spec. No. L-9070
--------	---------------------