

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： 2025-05-06

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	苏 高 峰	劳 水 花

深圳市柯爱亚电子有限公司

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SPECIFICATIONS

TYPE:

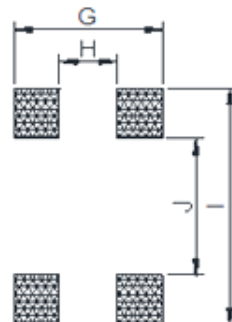
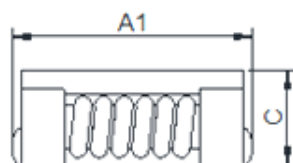
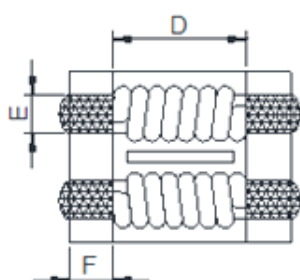
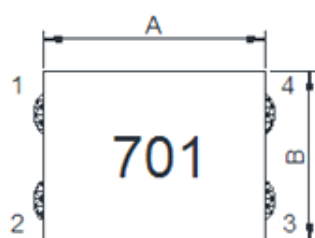
CCM9070A Series

1. Scope

This specification apply for CCM9070A Common mode filter

2. Appearance

2-1.Dimensions(mm)

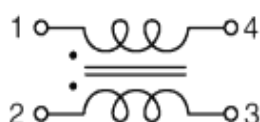


Pad Layout

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.

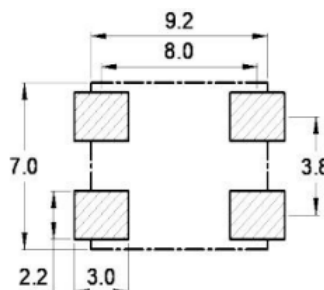
3. Coils Specification

3-1. Connection (Bottom View)



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Reference land pattern (mm)



3-2. Electronical characteristics

Part No.	Impedance (Ω) @100MHz		DC Resistance (mΩ)Max. [1 line]	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	375	500	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	1000	1500	18	4.0	80	10	152
CCM9070A-222	1700	2200	60	2.5	80	10	222
CCM9070A-272	2000	2700	65	2.0	80	10	272
CCM9070A-302	2500	3000	80	2.0	80	10	302

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

Note :

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TYPE:

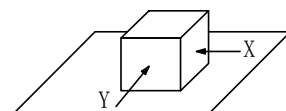
CCM9070A Series

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.



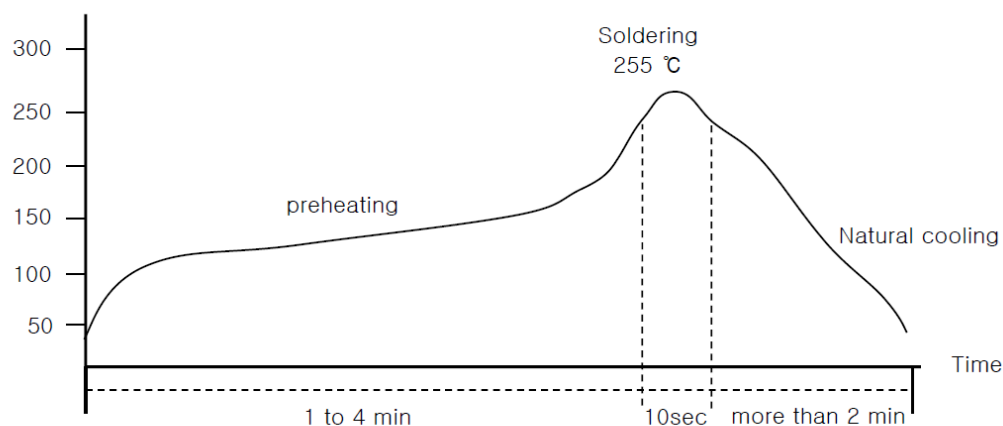
4-4. Electrode strength : No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10 ± 2 seconds after soldering between copper plate and the electrodes. (Refer to figure at right)

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 :

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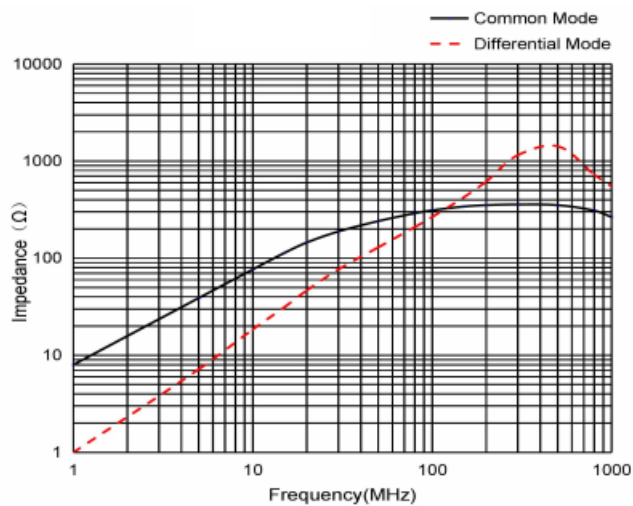
TYPE:
CCM9070A Series

5. Material list

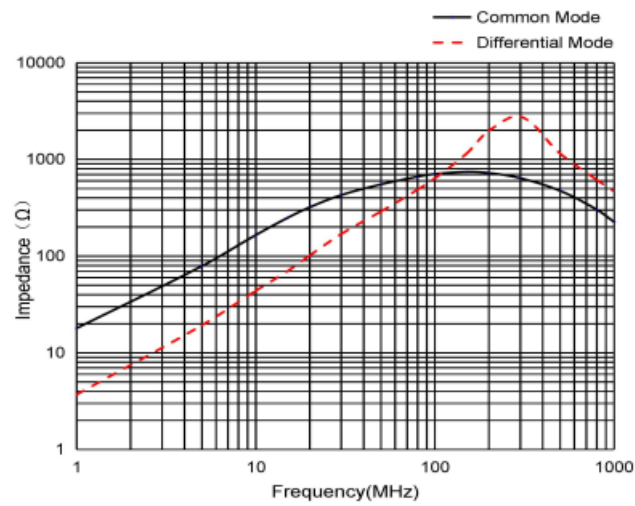
No.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	LCP
3	WIRE	P180 G1
4	ADHESIVE	EPOXY RESIN
5	TIN	107H
6	INK	White

6. CHARACTERISTICS (REFERENCE)

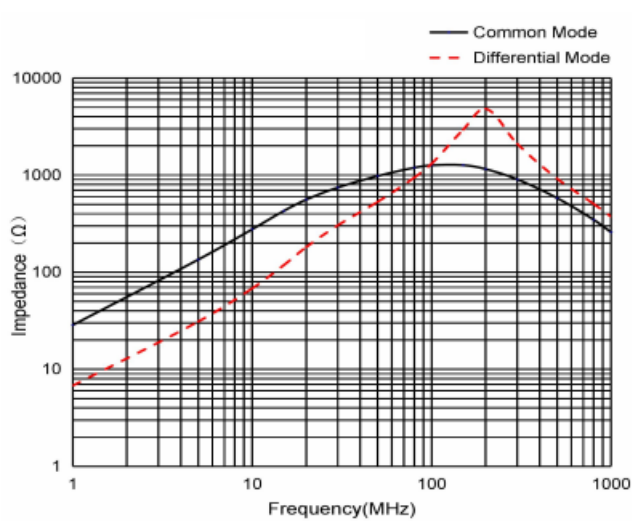
CCM9070A-301



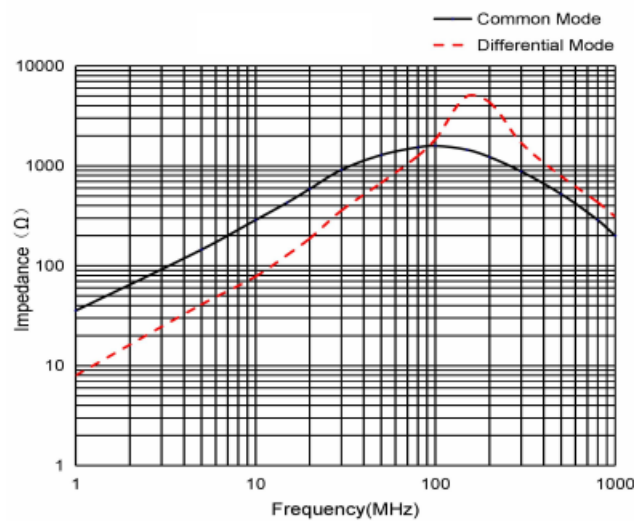
CCM9070A-701



CCM9070A-102



CCM9070A-152



Note :	Spec. No. L-9070
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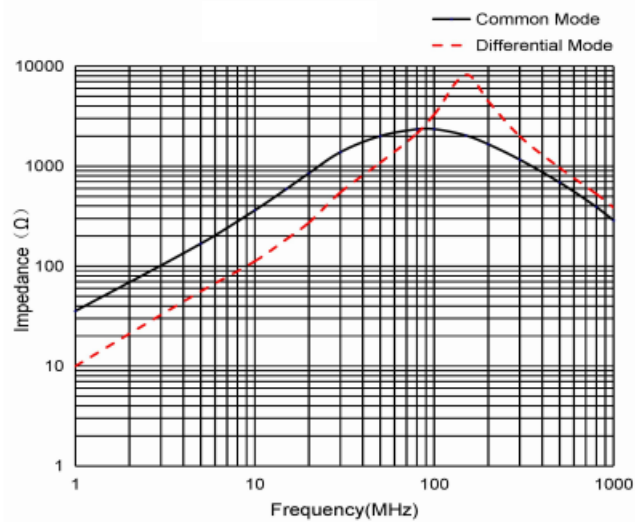


SPECIFICATIONS

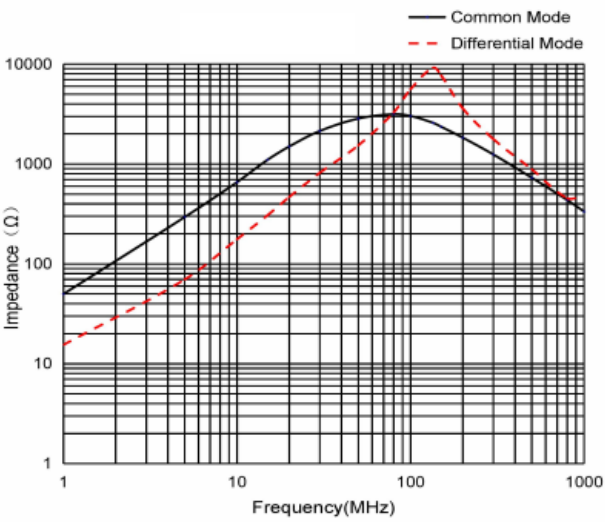
TYPE:
CCM9070A Series

6. CHARACTERISTICS (REFERENCE)

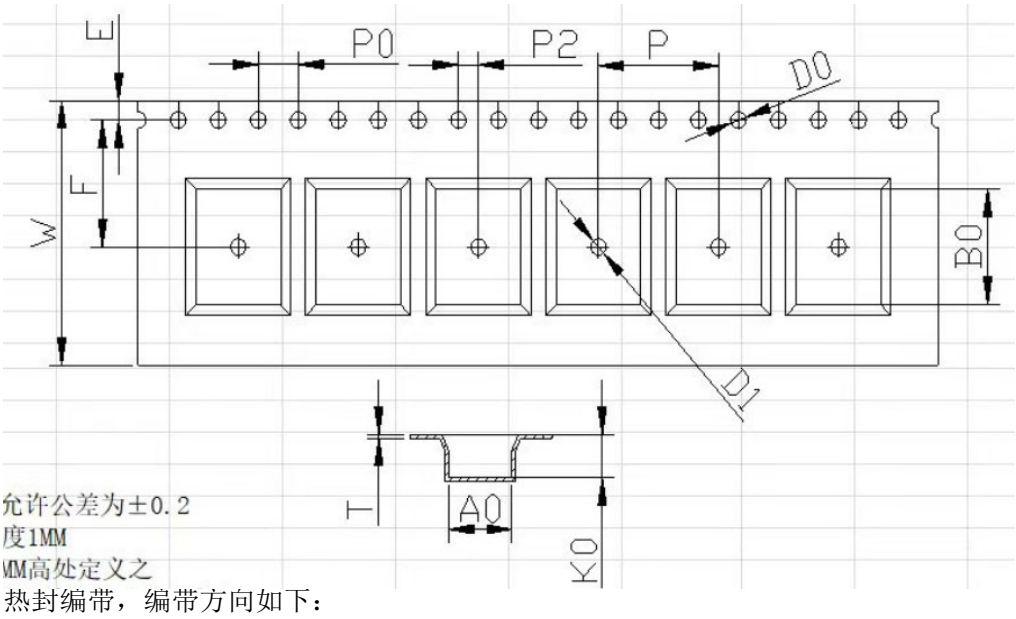
CCM9070A-222



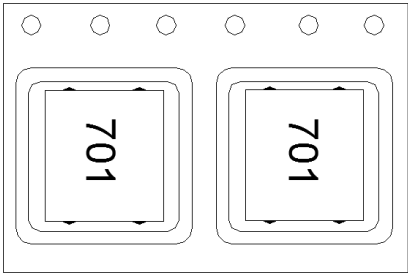
CCM9070A-302



7. PACKAGING INFORMATION:



W	24±0.3
A0	7.4±0.1
B0	9.8±0.1
K0	5.1±0.1
P	16.0±0.1
F	11.5±0.1
E	1.75±0.1
D0	1.5+0.1
D1	1.5+0.1
P0	4.0±0.1
P2	2.0±0.1
T	0.4±0.05



PACKAGE SPECIFICATION:
700PCS/Reel

钢网印字

Note :	Spec. No. L-9070
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