

# SPECIFICATION FOR APPROVAL

## 承 認 書

**CUSTOMER**

客戶名稱：

**NUMBER**

编号： L-7060A

**DESCRIPTION**

品 名： Common Mode Filter

**QUANTITY**

數量： 10 PCS

**PART NO.**型 號： **CCM7060A-701****DATE**日期： **2020-04-11****CUSTOMER PART NO.**

客戶料號：

**NOTE**

注解：

**APPROVAL SIGNATURE**

客戶承認簽章

APPROVED BY

核 准

李庆辉

DRAWN BY

制 作

劳水花

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CUSTOMER:	SPECIFICATIONS ( R e v i s i o n s )	TYPE <b>CCM7060A-701</b>
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### History of change

Rev.	Effective Date	Changed Contents	Change reasons	Approved By
A0	2019-09-03	New release	/	

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# SPECIFICATIONS

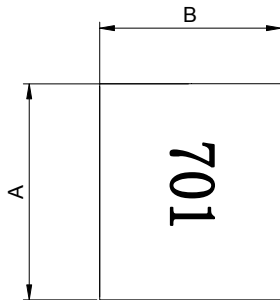
TYPE:  
**CCM7060A-701**

## 1. Scope

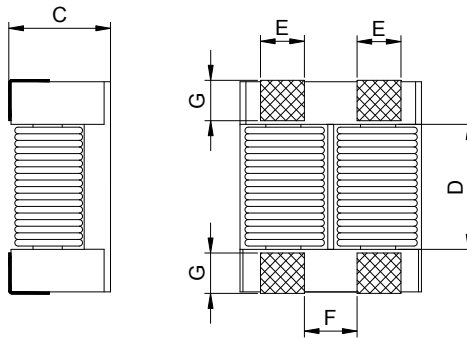
This specification apply for **CCM7060A** Common mode filter

## 2. Appearance

### 2-1. Dimensions(mm)



### 2-2. Recommended Land

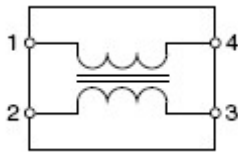


A	6.0 ± 0.5 mm
B	7.0 ± 0.5 mm
C	3.5 ± 0.3 mm
D	3.5mm typ
E	1.5mm typ
F	1.5 mm typ
G	1.7 mm typ

Dimension without tolerance is approx.

## 3. Coils Specification

### 3-1. Connection (Bottom View)



### 3-2. Electronical characteristics

Part No.	Z(Ω) 100MHz/0.1V		RDC(mΩ) Max	Rated Current (A) Max	IR (MΩ) Min	Rated Voltage (V) Max	Making
	Min	Typ.					
CCM7060A-701	500	700	15	4.0	10	80	701

#### ※ Measurement Equipment:

Common mode impedance z(Ω) : 4991A

DC resistance : HIOKI3540

Insulation resistance: Chroma 19053

**LEAD-FREE**

**RoHS**  
Compliance

Note :	Spec. No. L-7060A
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# SPECIFICATIONS

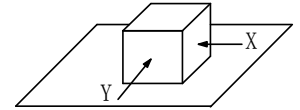
TYPE:  
**CCM7060A-701**

## 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)

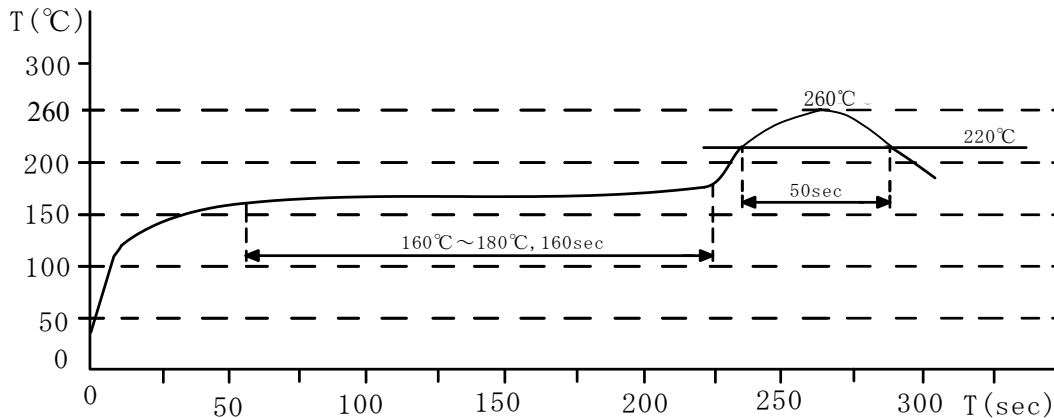
4-3. External appearance : No external defects can be found in the visual inspection.



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  $10 \pm 2$  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. Recommended reflow condition :



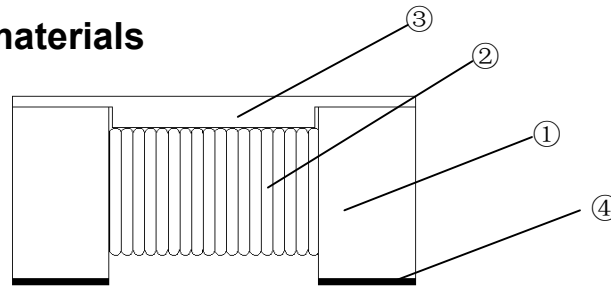
4-7. Humidity test : Inductance deviation is within  $\pm 5.0\%$  after  $96 \pm 4$  hours test under the condition of relative humidity of  $90 \sim 95\%$  and temperature of  $60 \pm 2^{\circ}\text{C}$ , and 1 hour storage under room ambient conditions after the device is wiped with dry cloth.

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TYPE:  
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## 5. Construction and materials



No.	Part name	Material	Ceaiya P/N
①	Drum Core	Ni-Zn Ferrite Core	BQ/YX
②	Wire	Polyurethane enameled copper wire	YLSL
③	Case	LCP	ZX
④	Electrode	Cu + Sn plating	CZ

## 6. Packing specification

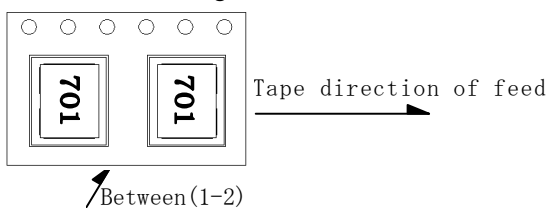
There are two types of packing specifications for the product, please specify the packing specification when ordering.

### 6.1 Bulk packing

The actual quality is according to the customer requirement

### 6.2 Taping packing

#### 6.2.1 Enclosing condition of coils.



#### 6.2.2 Carrier tape packing specification

Reel: Φ330mm

Quantity: 1000Pcs

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