

## SPECIFICATION FOR APPROVAL

**CUSTOMER'S APPROVAL CHOP**

Approval's condition: \_\_\_\_\_

Approved date: \_\_\_\_\_

KINDLY RETURN A SET WITH YOUR COMPANY'S OFFICIAL  
STAMP ON APPROVAL OF THIS ITEM

**CUSTOMER'S NAME:** \_\_\_\_\_

**CUSTOMER'S MODEL NO. :** \_\_\_\_\_

**CUSTOMER'S PART NO. :** \_\_\_\_\_

**DESCRIPTION:**

**Common Mode Line Filter**

**Semitel'S MODEL NO. :**

**SELCM-7060M**

**VERSION:**

**A**

**DATE:**

**2024/9/13**

**Attachments:**

- Product specification
- Sample Qty. :
- Test Data

Prepared By	Checked By	Approved By
Hebe Deng 2024/9/13	Ben Lin 2024/9/13	Eric Chang 2024/9/13

Semitel International Ltd.,	TEL: 886-2-86922121      FAX: 886-2-26483379
www.semitelint.com	12F, No.183, Sec.1, Datong Rd., Xizhi Dist., New Taipei City 22145, Taiwan

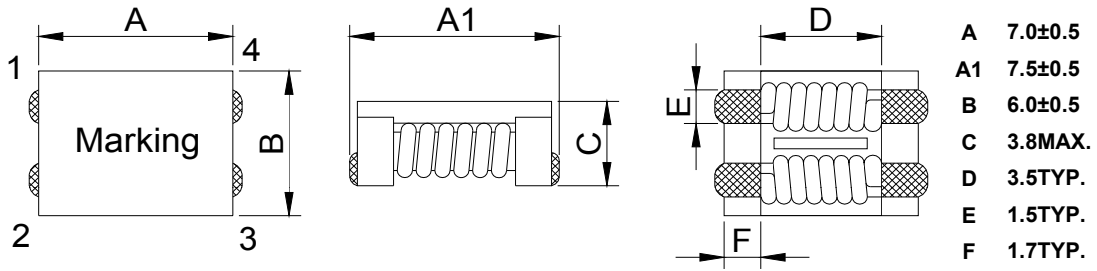
## Revision Record

Version	Revision Date	Revision For Items	Reason For Revision
A	2024/9/13	New Revision	-

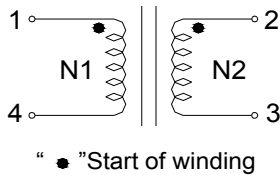
Semitel'S MODEL NO. :	SELCM-7060M	CUSTOMER'S MODEL NO. :	
VERSION:	A	CUSTOMER'S PART NO. :	
DATE:	2024/9/13		

# Product Specification

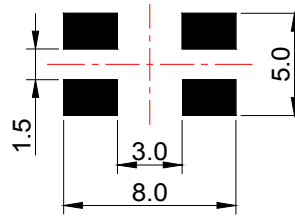
## 1.Physical Dimensions (Unit:mm)



## 2. Connection



## 3.Recommended Pad Layout (Unit:mm)



## 4.Electrical Characteristics

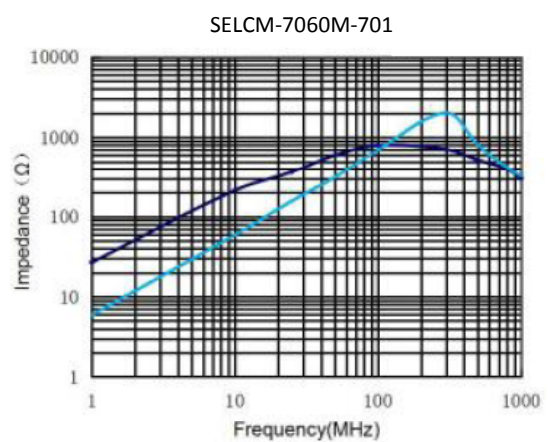
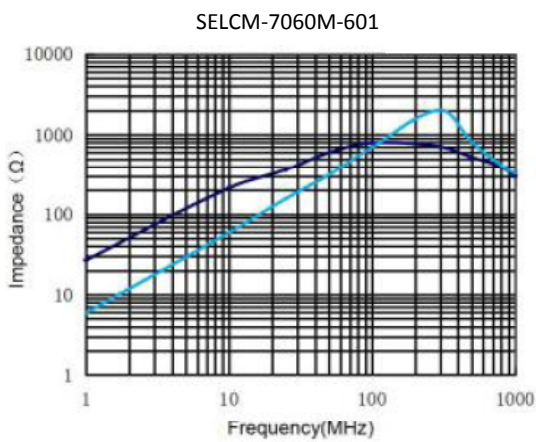
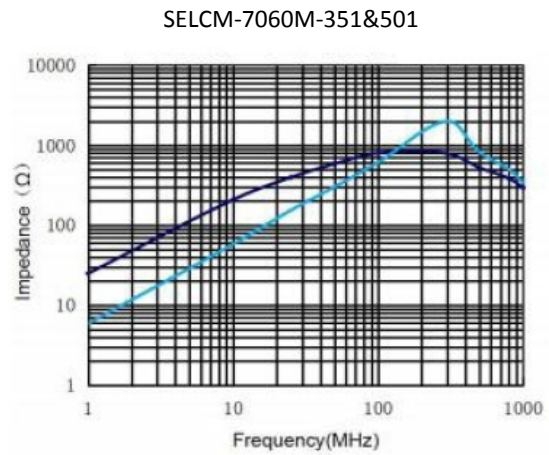
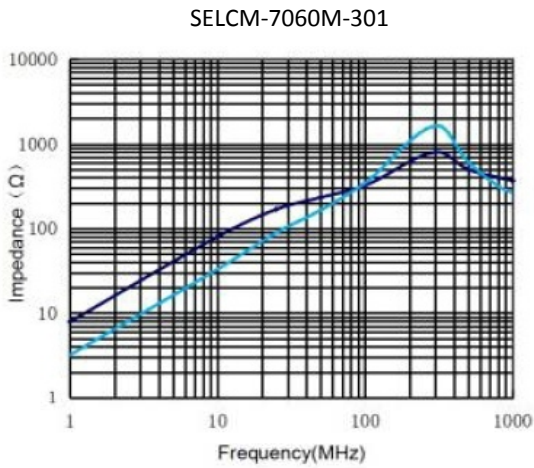
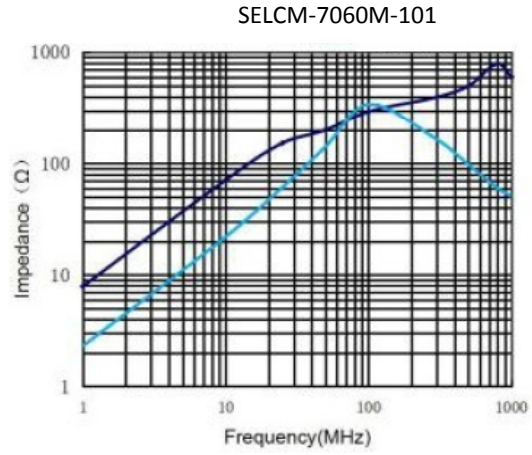
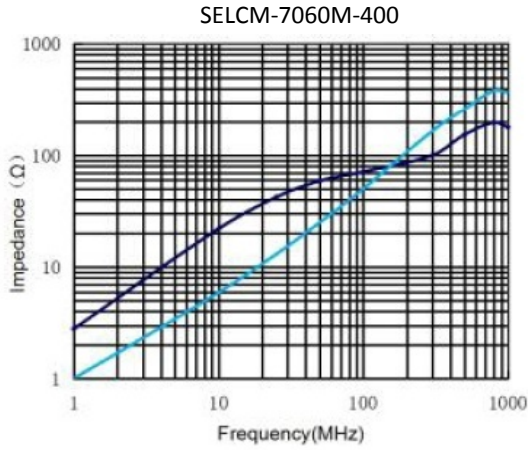
- (1). Rated current: temp.rise 40°C Typ
- (2). Operating temperature: -40°C to +105°C
- (3). Storage temperature: 15°C up to 25°C, 65% RH max
- (4). The temperature of electrical characteristic test is 25°C indoor temperature

Part Number	Impedance (Ω) @100MHz		DCR (mΩ) MAX.	Rated Current (A) MAX.	Rated Voltage (Vdc) MAX.	Insulation Resistance 80V/3S (MΩ) MIN.	Marking
	MIN.	TYP.					
SELCM-7060M-400-01A	40	70	5	15.0	125	10	400
SELCM-7060M-101-01A	100	140	10	9.0	125	10	101
SELCM-7060M-301-01A	225	300	10	5.0	125	10	301
SELCM-7060M-351-01A	275	350	10	5.0	125	10	351
SELCM-7060M-501-01A	275	450	10	5.0	125	10	501
SELCM-7060M-601-01A	500	700	15	4.0	125	10	601
SELCM-7060M-701-01A	500	700	15	4.0	125	10	701
SELCM-7060M-102-01A	800	1020	17	3.0	125	10	102
SELCM-7060M-132-01A	910	1300	21	2.5	125	10	132
SELCM-7060M-152-01A	1300	1500	21	2.5	125	10	152
SELCM-7060M-222-01A	1400	2200	63	1.2	125	10	222
SELCM-7060M-272-01A	2000	2700	63	1.0	125	10	272
SELCM-7060M-302-01A	2500	3000	75	0.9	125	10	302
SELCM-7060M-402-01A	3300	4000	100	0.8	125	10	402

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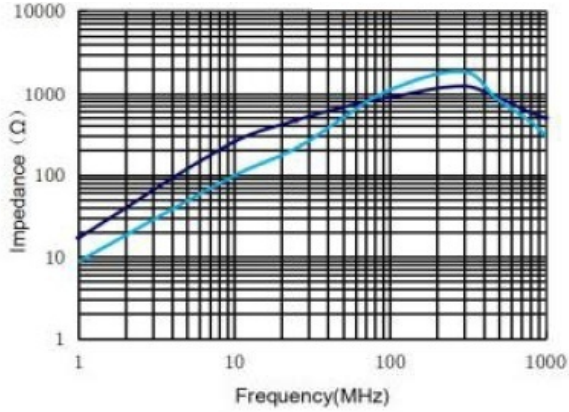
## 5. Characteristics (Reference)



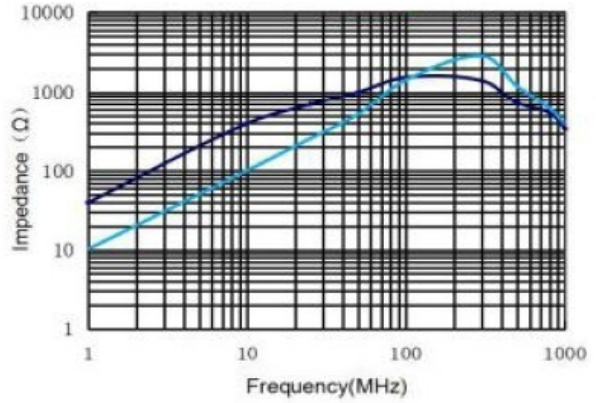
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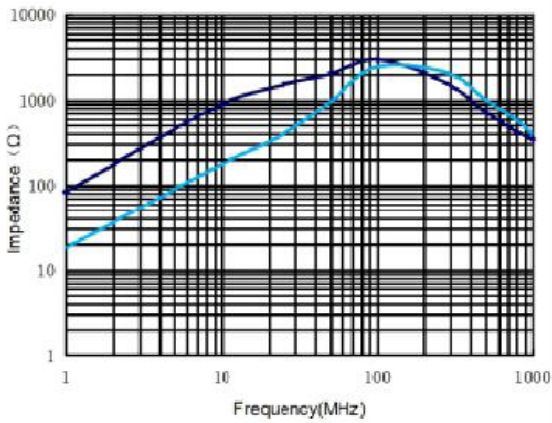
SELCM-7060M-102



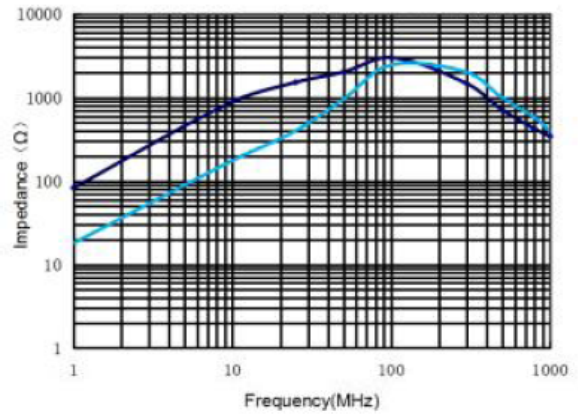
SELCM-7060M-132



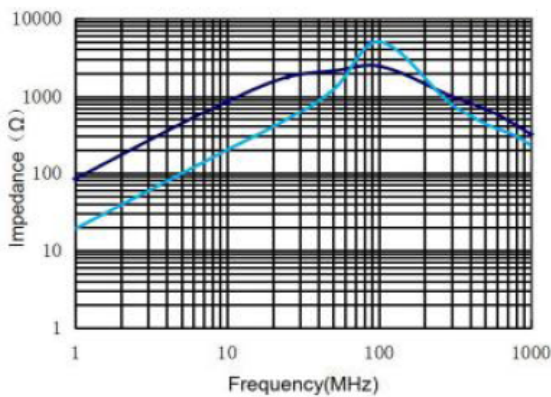
SELCM-7060M-222



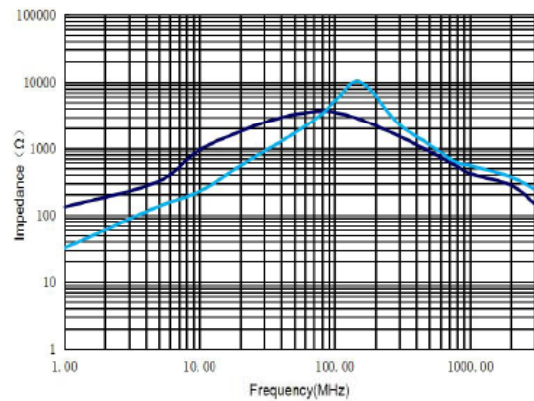
SELCM-7060M-272



SELCM-7060M-302



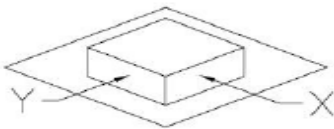
SELCM-7060M-402



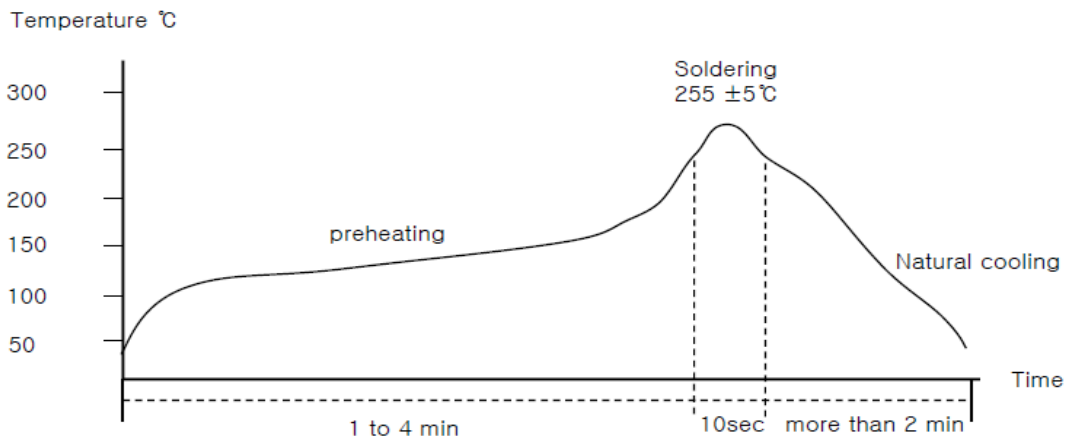
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VERSION:	A	CUSTOMER'S PART NO. :	
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## Product Specification

### 6. 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) for 10+/-2 sec. Terminal should not peel off. ( Refer to figure at right )
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 10MΩ 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 <sup>-6</sup> /°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	

### 7. IR Reflow profile



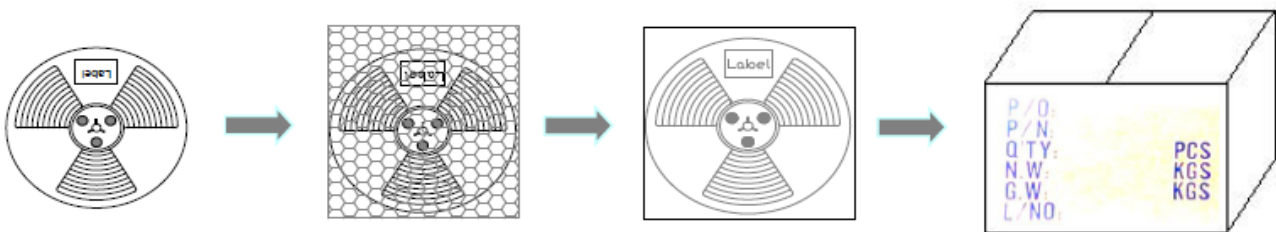
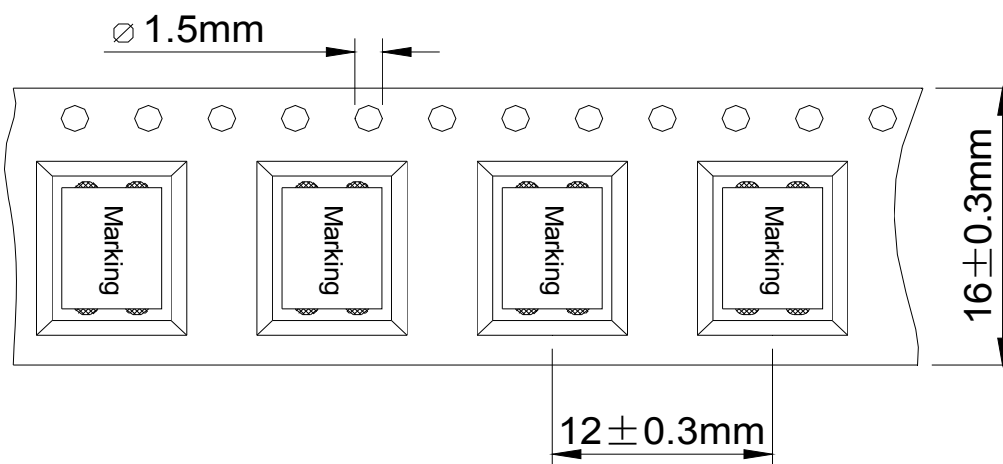
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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### 8.Packing Request

- (1). Every roll of the carrier tape can contain 1500pcs products.
- (2). Every small packing box contains 3 rolls of carrier tape. Total quantity: 4500pcs.
- (3). Every carton box contains 5 small packing boxes. Total quantity: 22500pcs.



Plastic reel: 13' (diameter 330mm)

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