

SPECIFICATION FOR APPROVAL

<p>CUSTOMER'S APPROVAL CHOP</p> <p>Approval's condition: _____</p> <p>Approved date: _____</p>
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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-1210SF Series
VERSION:	A
DATE:	2024/9/6

Attachments:

- Product specification
- Sample Qty. :
- Test Data

Prepared By	Checked By	Approved By
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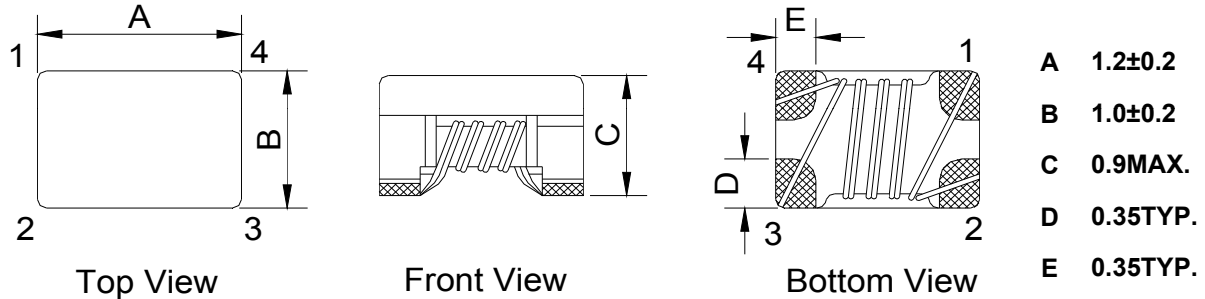
Revision Record

Version	Revision Date	Revision For Items	Reason For Revision
A	2024/9/6	New Revision	-

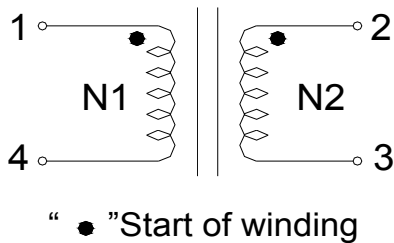
Semitel'S MODEL NO. :	SELCM-1210SF Series	CUSTOMER'S MODEL NO. :	
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Product Specification

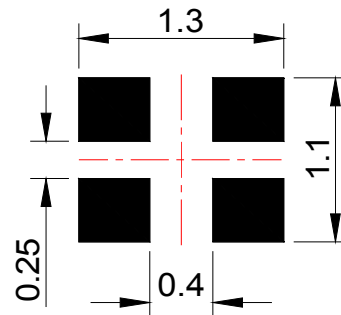
1. Physical Dimensions (Unit:mm)



2. Connection



3. Recommended Pad Layout (Unit:mm)



4. Electrical Characteristics

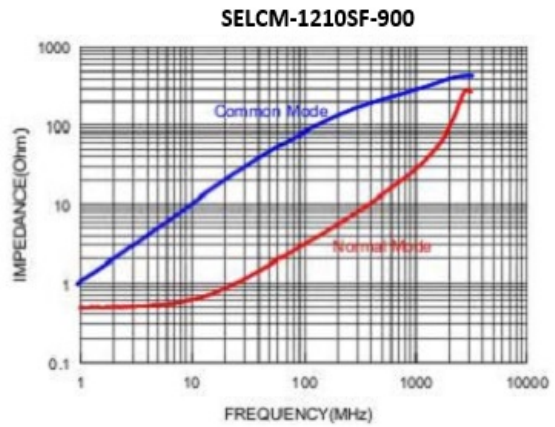
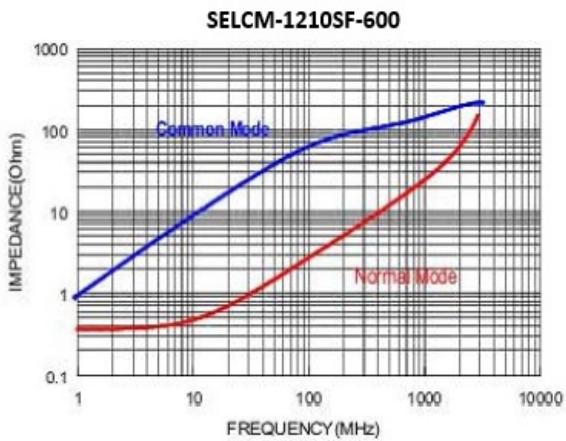
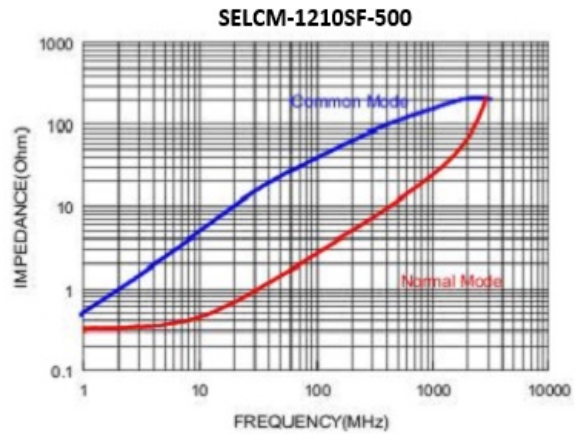
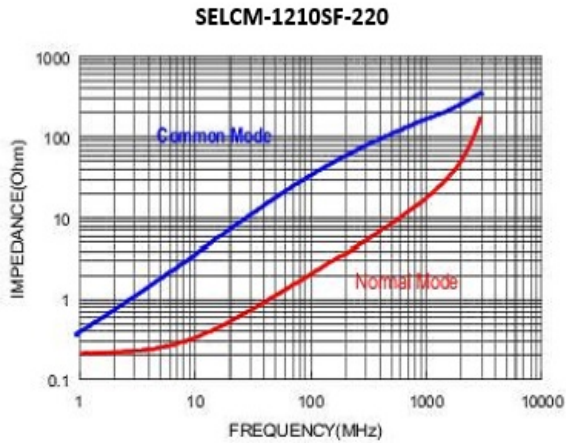
- (1). Rated Current: Temp.rise 40°C Typ
- (2). Operating temperature: -40°C to +125°C
- (3). Storage temperature: 15°C up to 25°C, 65% RH max

Part Number	Common mode Impedance (Ω @100MHz)	DCR (Ω) MAX.	Rated Current (mA)MAX.	Rated Volt. (Vdc)MAX.	IR (Ω) MIN.
SELCM-1210SF-220P-00A	22±25%	0.2	400	50	10M
SELCM-1210SF-500P-00A	50±25%	0.3	400	50	10M
SELCM-1210SF-600P-00A	60±25%	0.3	400	50	10M
SELCM-1210SF-900P-00A	90±25%	0.4	400	50	10M

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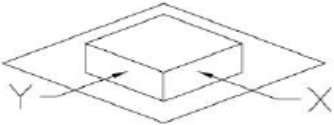
5. Characteristics (Reference)



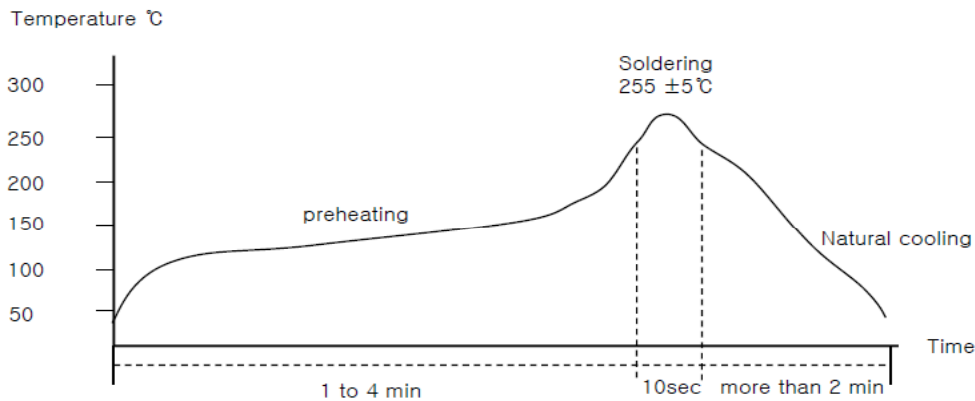
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6. Reliability Testing

Operating Temperature	-40 to +125 °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 50V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1S between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 40~ + 125 °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



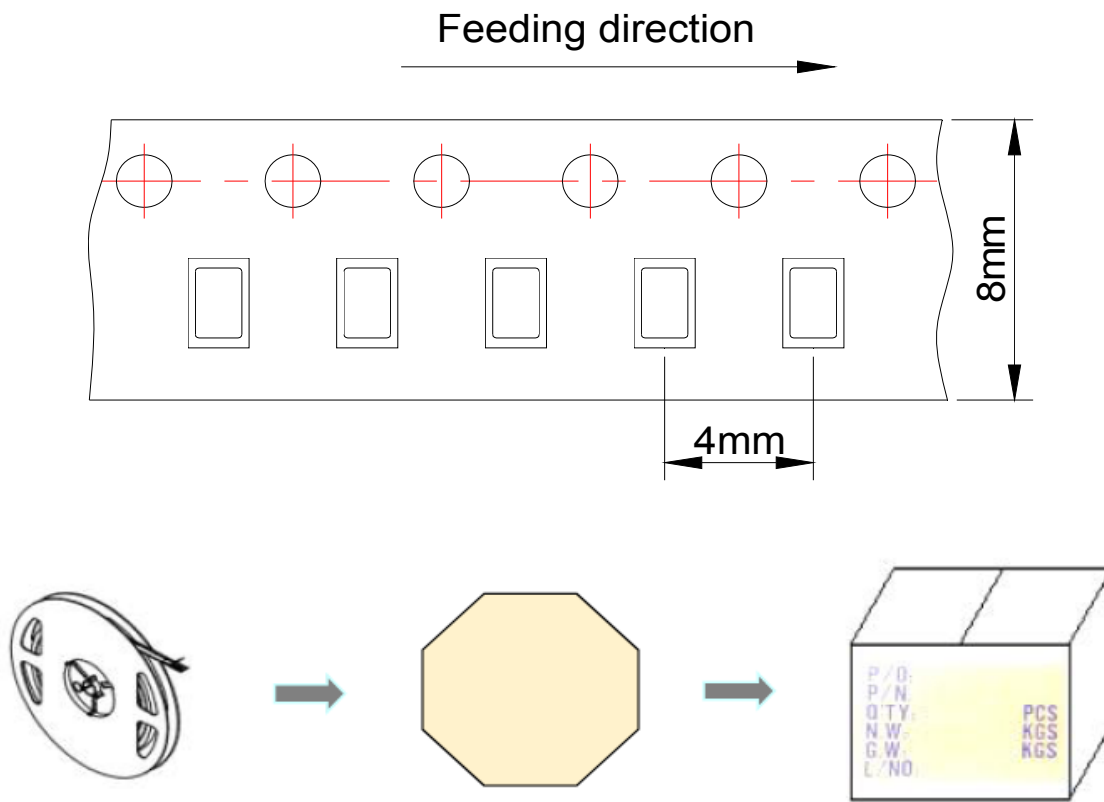
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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8.Packing Request

- (1). Every roll of the carrier tape can contain 3000pcs products.
- (2). Every small packing box contains 5 rolls of carrier tape. Total quantity: 15000pcs.
- (3). Every carton box contains 5 small packing boxes. Total quantity: 75000pcs.



Plastic reel: 7" (diameter 178mm)

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