

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. :

SELPCM-2012SF Series

VERSION:

A

DATE:

2024/9/11

Attachments:

- ☐ Product specification
- ☐ Sample Qty. :
- ☐ Test Data

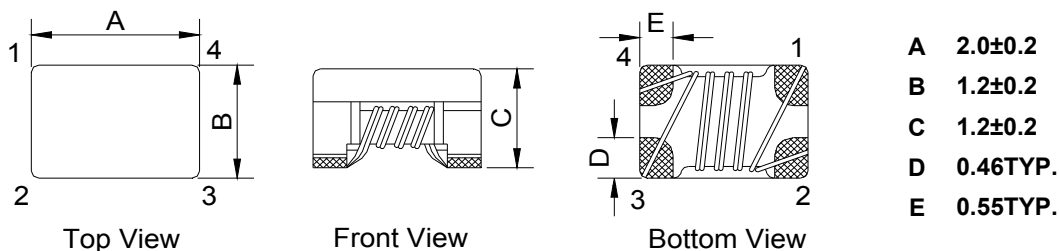
Prepared By	Checked By	Approved By
Hebe Deng 2024/9/11	Ben Lin 2024/9/11	Eric Chang 2024/9/11

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

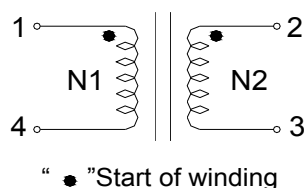
Semitel'S MODEL NO. :	SELCM-2012SF Series	CUSTOMER'S MODEL NO. :	
VERSION:	A	CUSTOMER'S PART NO. :	
DATE:	2024/9/11		

Product Specification

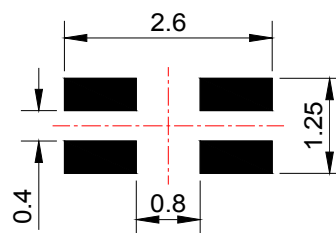
1.Physical Dimensions (Unit:mm)



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 +85°C
- (3). Storage temperature: 15°C up to 25°C, 65% RH max

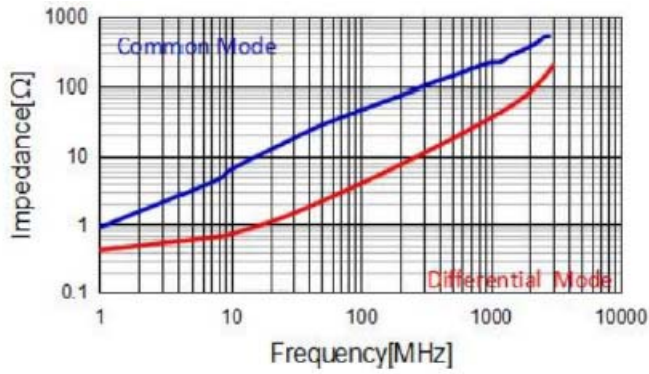
Part Number	Common mode Impedance (Ω @100MHz)	DCR (Ω) MAX.	Rated Current (mA) MAX.	Rated Volt. (Vdc) MAX.	IR (MΩ) MIN.
SELCM-2012SF-500P-00A-D	50±25%	0.25	400	50	10
SELCM-2012SF-670P-00A-D	67±25%	0.25	400	50	10
SELCM-2012SF-900P-00A-D	90±25%	0.30	400	50	10
SELCM-2012SF-121P-00A-D	120±25%	0.30	370	50	10
SELCM-2012SF-181P-00A-D	180±25%	0.35	330	50	10
SELCM-2012SF-221P-00A-D	220±25%	0.40	300	50	10
SELCM-2012SF-261P-00A-D	260±25%	0.40	300	50	10
SELCM-2012SF-361P-00A-D	360±25%	0.45	280	50	10
SELCM-2012SF-601P-00A-D	600±25%	0.60	220	50	10
SELCM-2012SF-801P-00A-D	800±25%	0.88	300	50	10
SELCM-2012SF-901P-00A-D	900±25%	0.90	150	50	10
SELCM-2012SF-102P-00A-D	1000±25%	1.30	150	50	10

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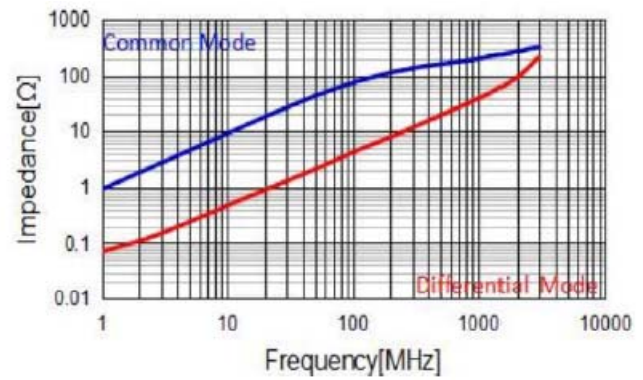
Product Specification

5. Characteristics (Reference)

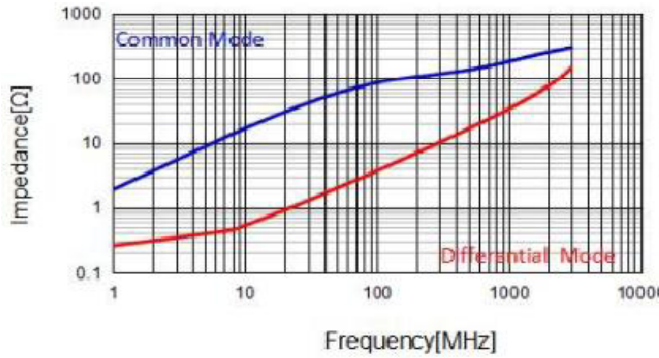
SELCM-2012SF-500



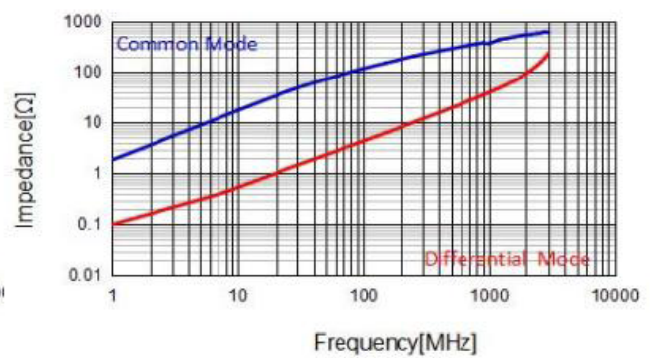
SELCM-2012SF-670



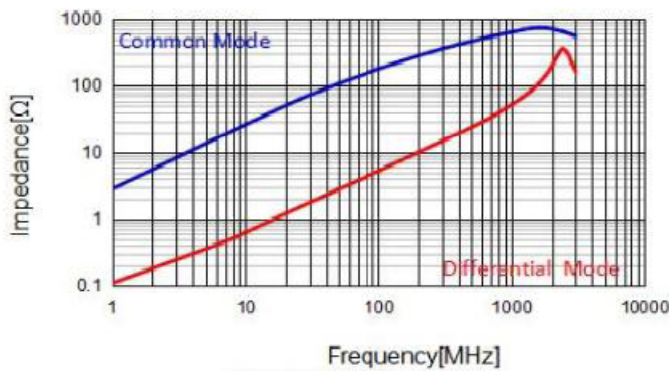
SELCM-2012SF-900



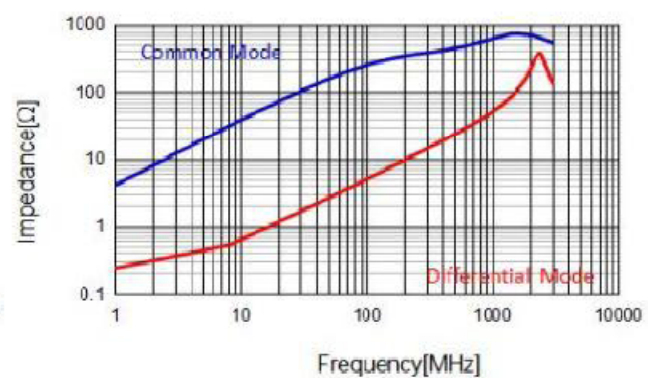
SELCM-2012SF-121



SELCM-2012SF-181



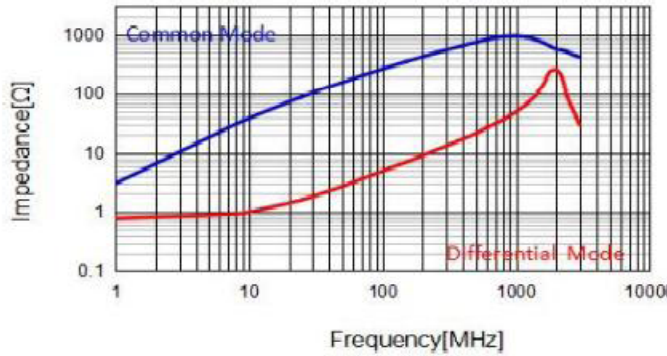
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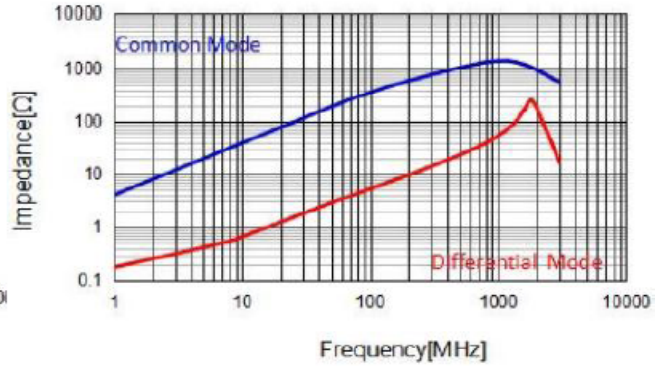
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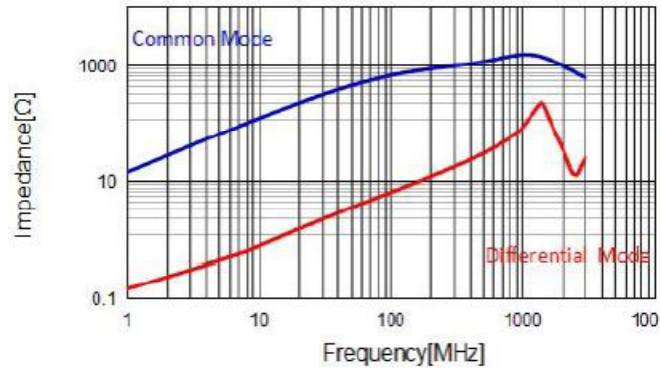
SELCM-2012SF-261



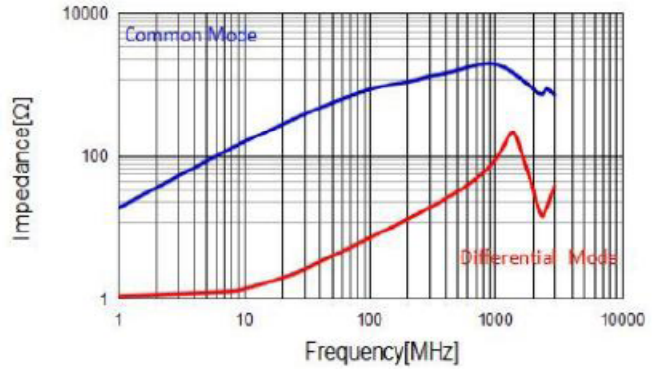
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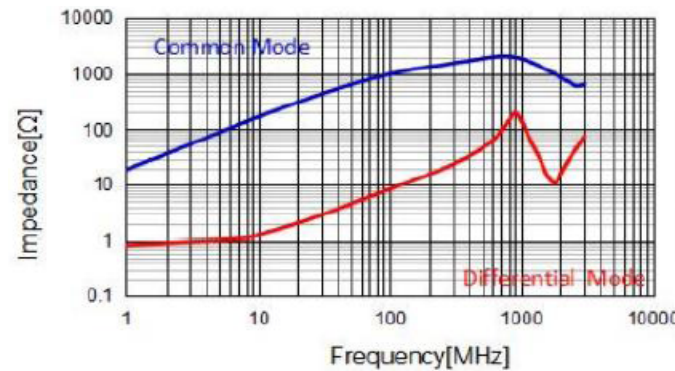
SELCM-2012SF-601



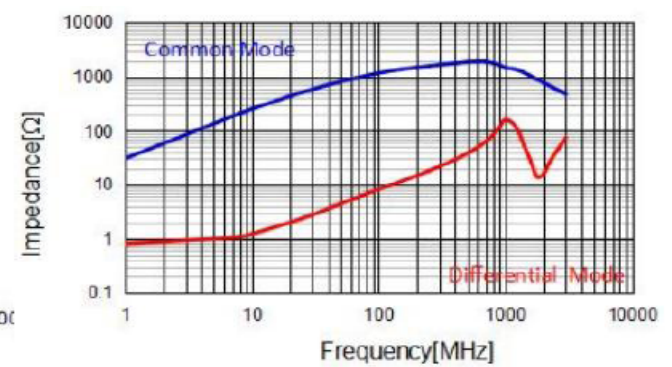
SELCM-2012SF-801



SELCM-2012SF-901



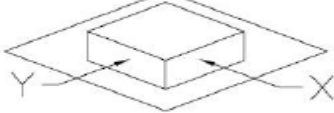
SELCM-2012SF-102



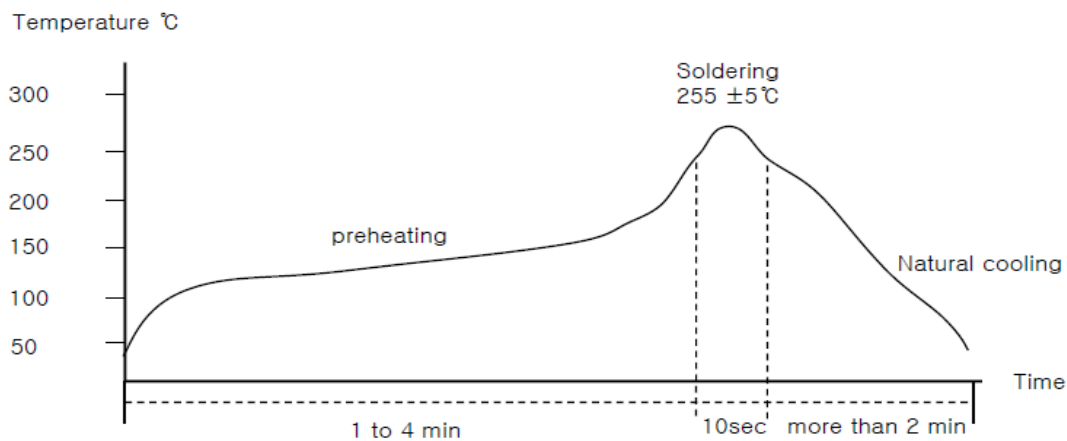
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6.Reliability Testing

Operating Temperature	-40 to +85 °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 100MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 40~ + 85 °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



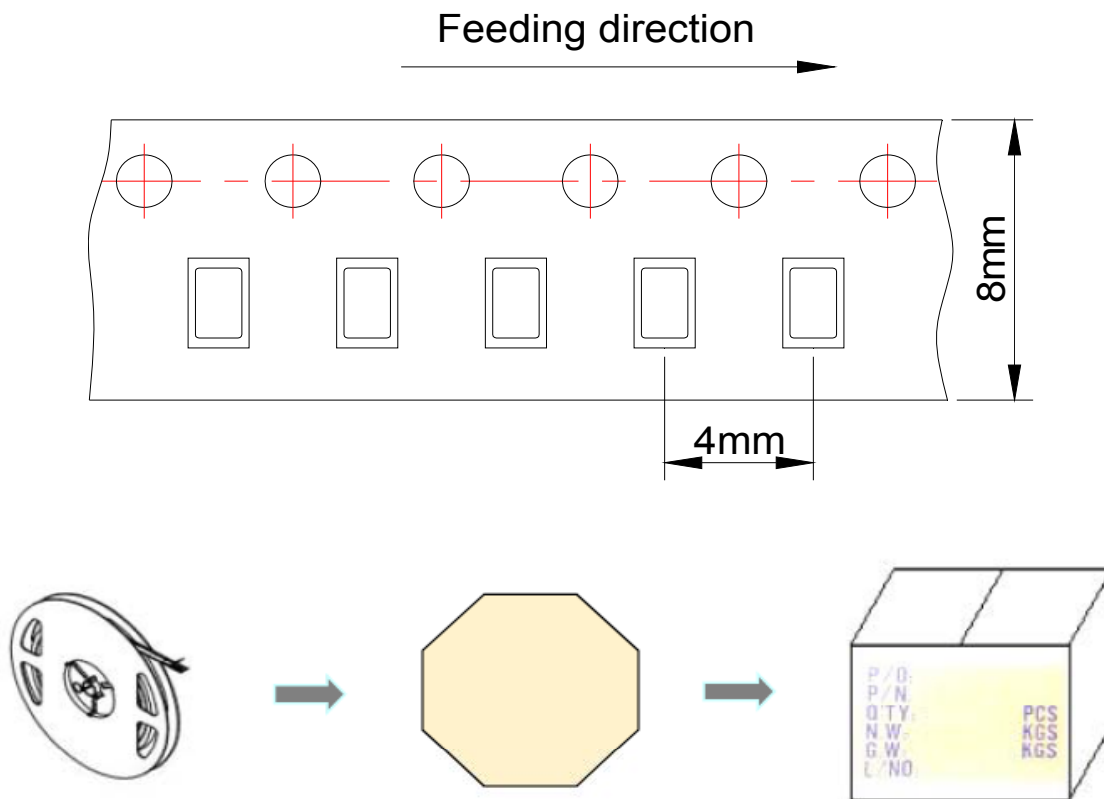
Temperature and humidity . After that , no mechanical and electrical defect should be found .

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8.Packing Request

- (1). Every roll of the carrier tape can contain 2000pcs products.
- (2). Every small packing box contains 4 rolls of carrier tape. Total quantity: 8000pcs.
- (3.1). Every carton box contains 6 small packing boxes. Total quantity: 48000pcs.
- (3.2). Every carton box contains 8 small packing boxes. Total quantity: 64000pcs.
- (3.3). Every carton box contains 10 small packing boxes. Total quantity: 80000pcs.



Plastic reel: 7' (diameter 178mm)

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