

SMD Common Mode Line Filter

FC-SLF0502 –Series

Small size

Insulation Resistance 10M Ω min

Frequency Range: 100 kHz, 0.1 Vrms

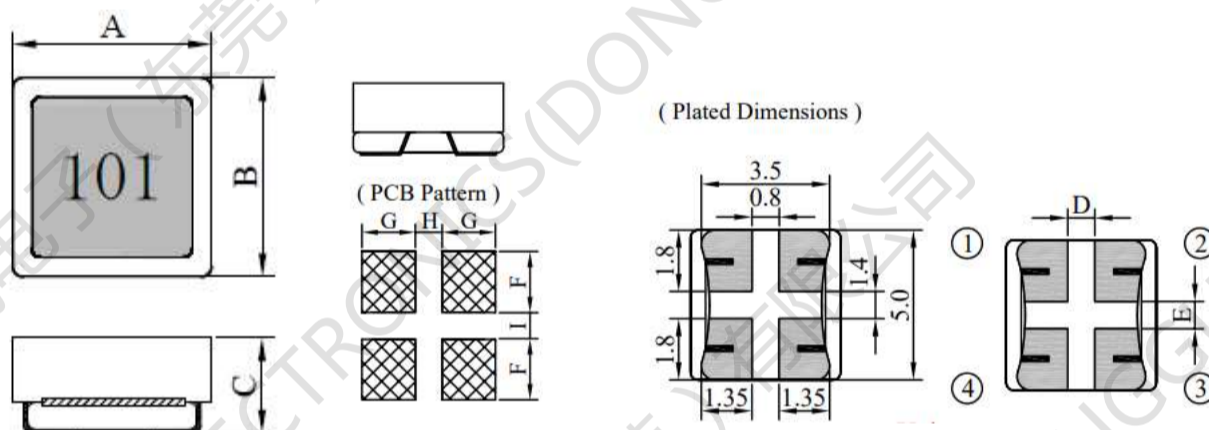
Low Primary DCR version

Ambient temperature -40° C to +85° C

Storage temperature Component: -40° C to +125° C



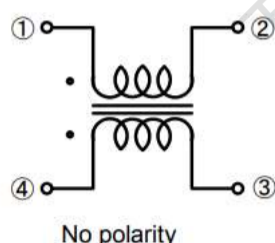
1. Dimensions:mm



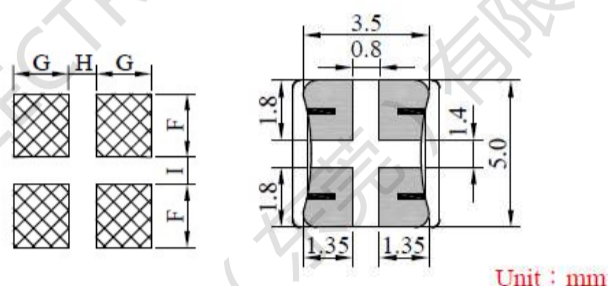
Unit : mm

A	B	C	D	E	F	G	H	I
5.00 $\pm$ 0.3	5.00 $\pm$ 0.3	2.50 max.	0.80 typ.	1.00 typ.	2.30 typ.	1.60 ref.	0.80 ref.	1.00 ref.

2.Schematic:



3. : LAYOUT RECOMMENDATION



Unit : mm

FC-SLF0502 –Series -SMD Common Mode Line Filter

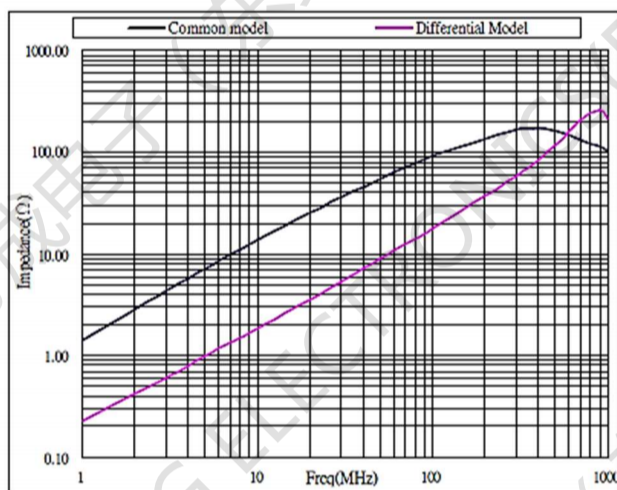
4. ELECTRIC CHARACTERISTICS

Number Part	Inductance (uH)	Common mode impedance (at 100MHz)	IDC (A)	RDC (mΩ)	Z / Max (KΩ)	Freq.range (MHz)
FC-SLF0502101YL	0.23	0.10 ±35%	6.0	15.0	0.06	90
FC-SLF0502251YL	0.55	0.25 ±35%	5.0	20.0	0.12	80
FC-SLF0502501YL	1.10	0.50 ±35%	4.0	30.0	0.20	60
FC-SLF0502102YL	2.50	1.00 ±35%	2.0	45.0	0.40	50
FC-SLF0502142YL	2.60	1.40 ±35%	1.5	55.0	0.45	40

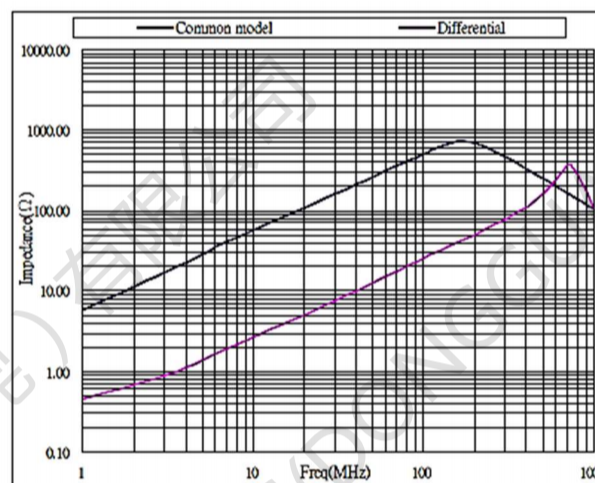
Inductance Test Condition. : 100kHz / 0.1V, Rated voltage 50 Vdc ; Withstand Voltage 125Vdc

Insulation Resistance 10MΩ min. IDC base on Temp. rise 40℃ typ.

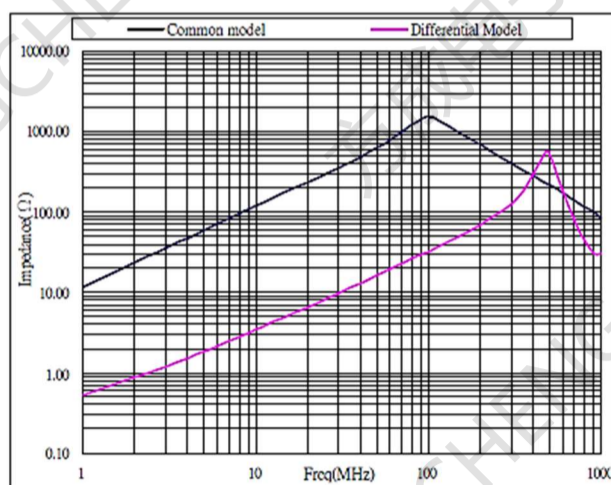
5. Typical Impedance Characteristics:



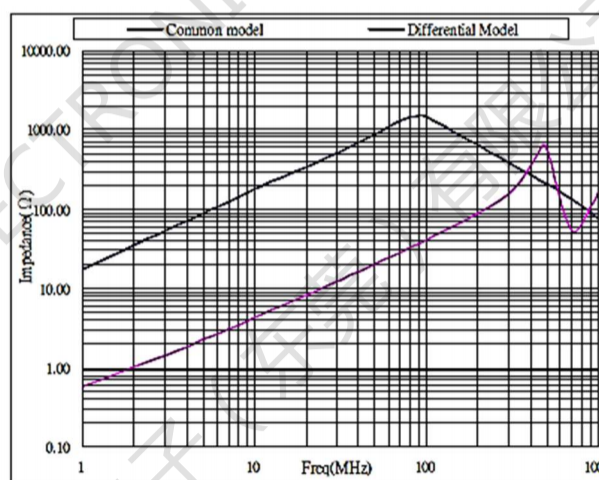
FC-SLF0502-101YL



FC-SLF0502-501YL



FC-SLF0502-102YL



FC-SLF0502-142YL

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Common Mode Chokes / Filters](#) category:

Click to view products by [FANGCHENG](#) manufacturer:

Other Similar products are found below :

[PE-64683](#) [RD5122-6-9M6](#) [RD6137-6-7M5](#) [RD8147-16-3M0](#) [ST6118T-R](#) [FE3X025-10-7NL](#) [RD7147-25-0M7](#) [TCM0806G-350-2P-T](#)
[TCM0806G-650-2P-T](#) [IND-0110](#) [UAL21VR0802000](#) [UALSC023000000](#) [UALSC1020JH000](#) [UALSU10VD20010](#) [UALSU9VD070100](#) [36-](#)
[00037](#) [UALW21HS072450](#) [UALSU9H0208000](#) [UAL24VK06450CH](#) [PLT10HH501100PNB](#) [PLT10HH401100PNB](#) [PLT10HH1026R0PNB](#)
[36-00029-01](#) [PE-67531](#) [TLH10UB](#) [113 0R5](#) [2752045447](#) [7351V](#) [CMF16-153131](#) [RD7147-6-6M0](#) [T8116NLT](#) [FE2X10-4-2NL](#) [36-00029-07](#)
[T8003NLT](#) [CTX01-13663](#) [CTX66-19521-R](#) [RC212-0.5-10M](#) [RC112-0.4-15M](#) [RC212-0.6-6M8](#) [RC212-0.4-15M](#) [RC112-0.3-30M](#)
[WTCF2012Z0M751PB](#) [PH9408.814NLT](#) [PAC6006.364NLT](#) [PAC6006.444NLT](#) [PAC6006.204NLT](#) [PH9407.204NLT](#) [PAC6006.264NLT](#)
[PH9408.105NLT](#) [PH9408.494NLT](#) [PAC6006.104NLT](#)