

SMD Common Mode Line Filter

FC-SLF0502 –Series

Small size

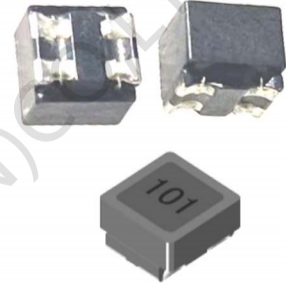
Insulation Resistance 10MΩ min

Frequency Range: 100 kHz, 0.1 Vrms

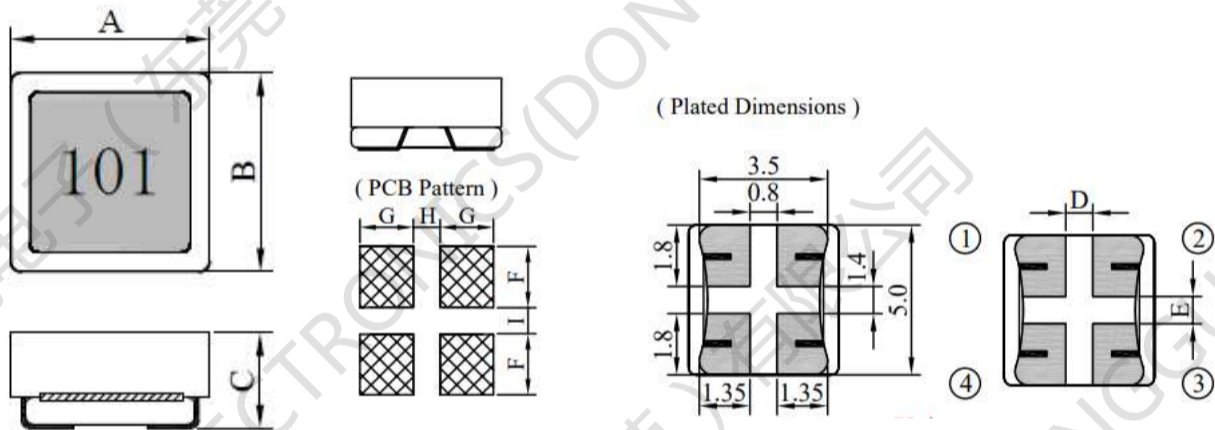
Low Primary DCR version

Ambient temperature -40° C to +85° C

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



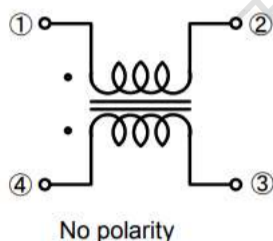
1. Dimensions:mm



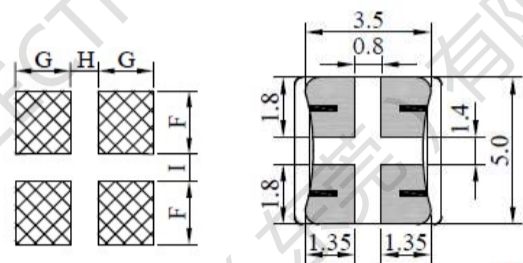
Unit : mm

| A | B | C | D | E | F | G | H | I |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 5.00 ±0.3 | 5.00 ±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

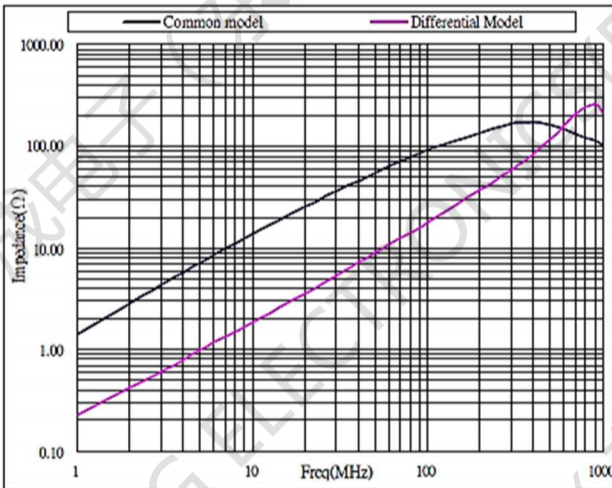
4. ELECTRIC CHARACTERISTICS

| 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 |

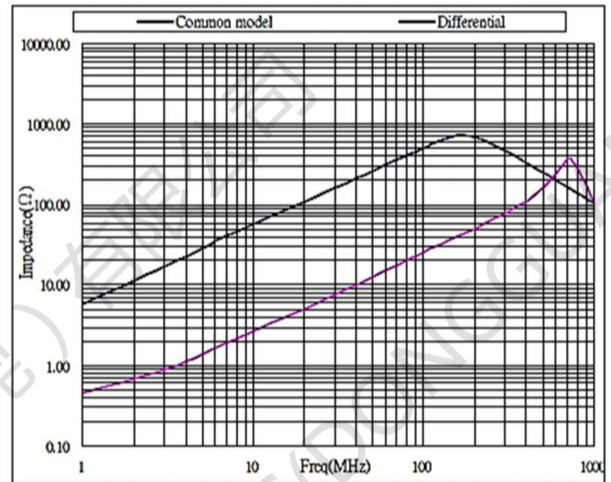
Inductance Test Condition. : 100kHz / 0.1V, Rated voltage 50 Vdc ; Withstand Voltage 125Vdc

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

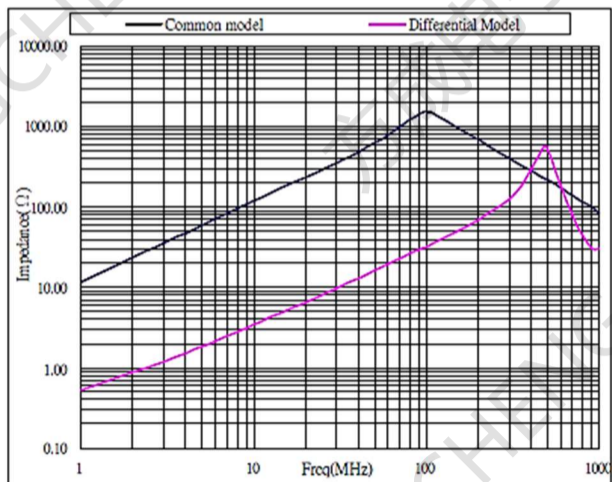
5. Typical Impedance Characteristics:



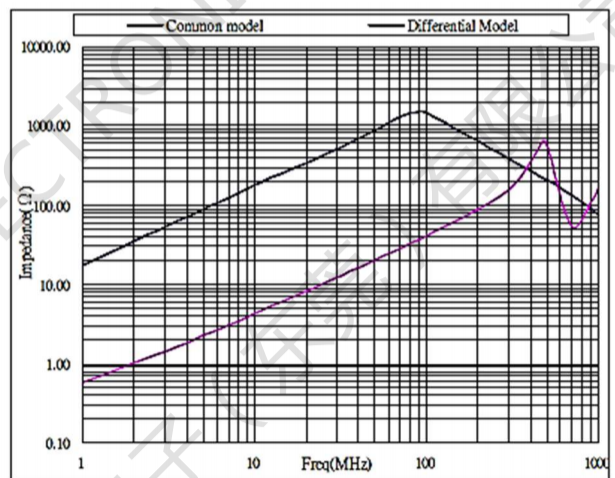
FC-SLF0502-101YL



FC-SLF0502-501YL



FC-SLF0502-102YL



FC-SLF0502-142YL

单击下面可查看定价，库存，交付和生命周期等信息

[>>FC\(方成\)](#)