

### Features

1. Effective for suppressing common mode noise at high frequencies.
2. Compact design.
3. Excellent solderability characteristic.
4. Lead Free (RoHS Compliance)

### Applications

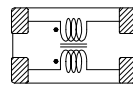
1. Noise suppression in digital bus line equipment.
2. USB host controller & USB, HUB control lines.
3. For HDMI interfaces used in digital video devices.

### Ordering Information

**SCL - 2 M 2012 - 900 J T**  
 (1) (2) (3) (4) (5) (6) (7)

**(1) Series**

SCL : Electrode directed in horizontal line



SCL : Horizontal Design  
SCL - series

**(2) Pole type**

2 : 2 Line (Single)

**(5) Common mode impedance (at 100MHz)**

First two digits are values.  
Last digits is the number of zeros following

**(3) Material & Design**

M : General Signal line  
Y,S : High speed Differential signal line

**(6) Termination**

J : Nickel barrier

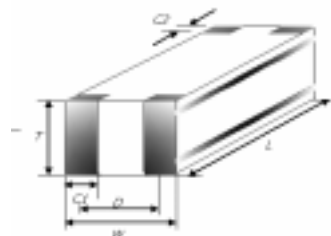
**(4) Dimension**

First two digits : length (mm)  
Last two digits : width (mm)

**(7) Packaging**

B : Bulk Packing  
T : Tape & Reel (Φ 178mm [7inches])  
L : Tape & Reel (Φ 254mm [10inches])

### Shape and Dimensions



SCL-2□ series

unit : mm (inches)

Type	L	W	T	C <sub>1</sub>	C <sub>2</sub>	D	M
SCL-2□2012-	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	1.0±0.1 [.039±.004]	0.425±0.2 [.017±.008]	0.25±0.15 [.010±.006]	0.825±0.1 [.032±.004]	---- ----

\*All specifications are subject to change without notice.

### Electrical Parameters

#### SCL-series -M type

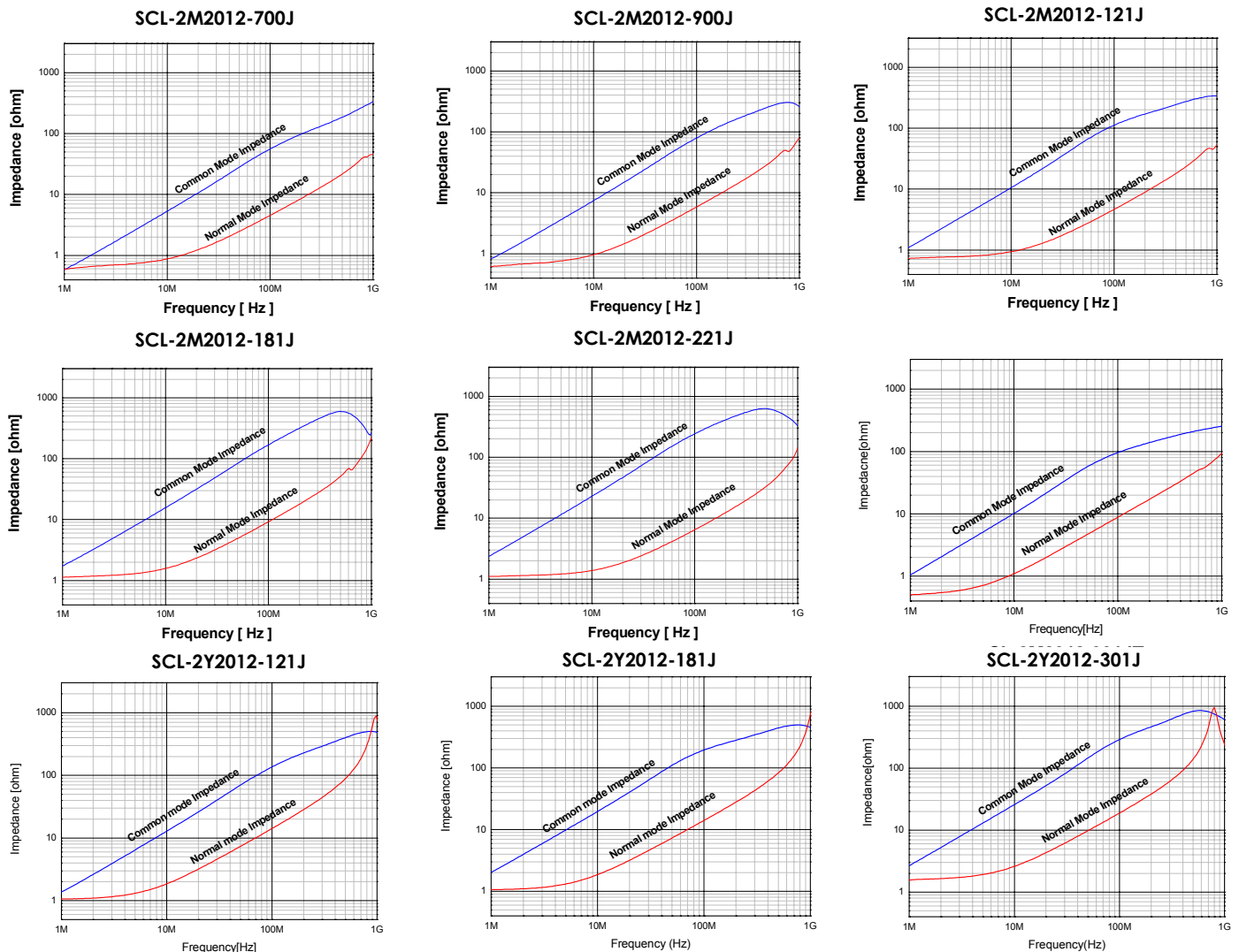
Part No.	Impedance [Ω] at 100MHz Typ.	DC Resistance Max.(Ω)	Rated current Max.(mA)	Rated Voltage Max.(V)	Insulation Resistance Min.(MΩ)
SCL-2M2012-700JT	70	0.60	400	10	100
SCL-2M2012-900JT	90	0.70	400	10	100
SCL-2M2012-121JT	120	0.80	400	10	100
SCL-2M2012-181JT	180	1.00	330	10	100
SCL-2M2012-221JT	220	1.00	330	10	100

#### SCL-series -Y type

Part No.	Impedance [Ω] at 100MHz		DC Resistance Max.(Ω)	Rated current Max.(mA)	Rated Voltage Max.(V)	Insulation Resistance Min.(MΩ)
	Typ.	Tolerance				
SCL-2Y2012-900□□	90	±25%	0.70	400	10	100
SCL-2Y2012-121□□	120	±25%	0.80	400	10	100
SCL-2Y2012-181□□	180	±25%	1.00	330	10	100
SCL-2Y2012-301□□	300	±25%	2.00	250	10	100

### Electrical Characteristic Curves

#### 2012 – 2Line ( Single)



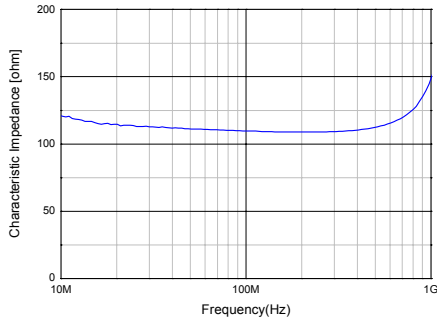
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### Characteristic Impedance vs. Frequency characteristics

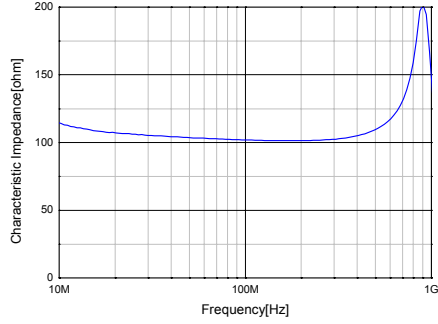
2012-2Line

- SCL-series - Y type

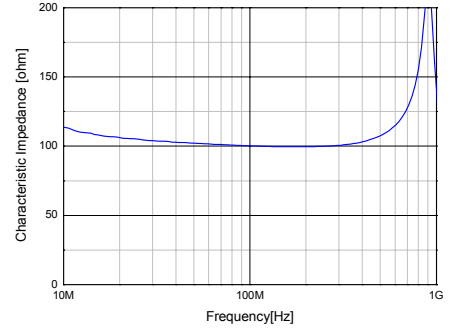
SCL-2Y2012-900J



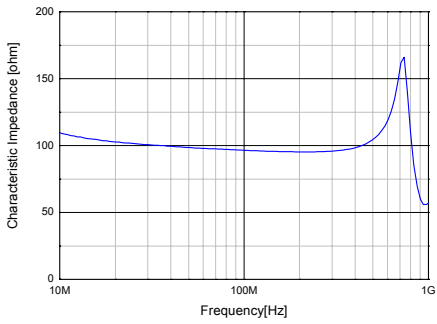
SCL-2Y2012-121J



SCL-2Y2012-181J



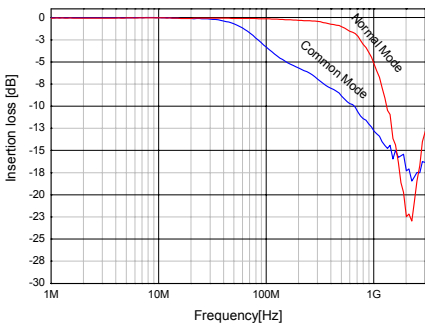
SCL-2Y2012-301J



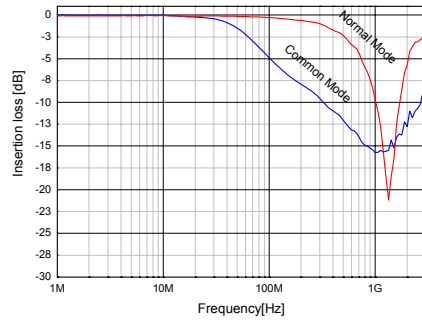
### Insertion loss vs. Frequency Characteristics

- SCL-series -Y series

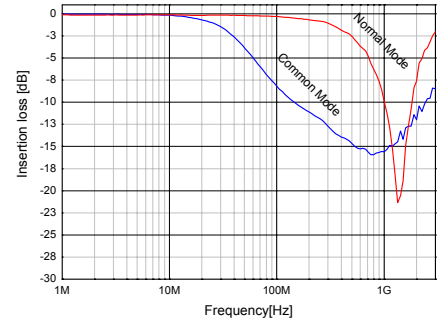
SCL-2Y2012-900J



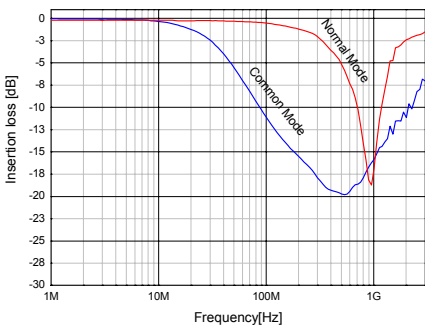
SCL-2Y2012-121J



SCL-2Y2012-181J



SCL-2Y2012-301J



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