

Features

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

Applications

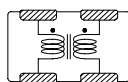
1. Noise suppression in digital bus line equipment
2. IEEE1394a HUB & IEEE1394a control lines.
3. USB host controller & USB, HUB control lines
4. LVDS, panel link line for liquid crystal display panels.

Ordering Information

SCM	-	2	M	2012	-	471	J	T
(1)		(2)	(3)	(4)		(5)	(6)	(7)

(1) Series

SCM : Electrode directed in vertical line



SCM ; Vertical Design
SCM - series

(2) Pole type

- 2 : 2 Line (Single)
- 4 : 4 Line (Double)

(5) Common mode impedance (at 100MHz)

First two digits are significant.
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

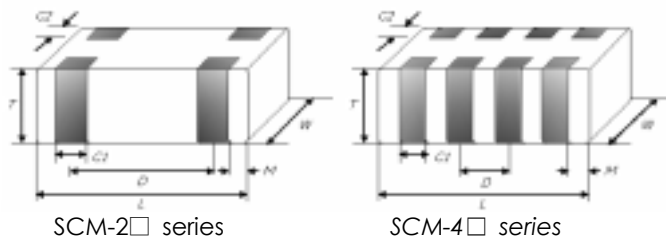
(4) Dimension

- 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



unit : mm [inches]

Type	L	W	T	C ₁	C ₂	D	M
SCM-2□2012-	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	1.0±0.1 [.039±.004]	0.6±0.2 [.024±.008]	0.25±0.15 [.010±.006]	1.0±0.1 [.039±.004]	0.20±0.1 [.008±.004]
SCM-4□2012-	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	1.0±0.1 [.039±.004]	0.25±0.1 [.010±.004]	0.25±0.15 [.010±.006]	0.50±0.1 [.020±.004]	0.125±0.1 [.005±.004]

Electrical Parameters

SCM 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)
SCM-2M2012-700□□	70	0.60	400	10	100
SCM-2M2012-900□□	90	0.70	400	10	100
SCM-2M2012-121□□	120	0.80	400	10	100
SCM-2M2012-181□□	180	1.00	330	10	100
SCM-2M2012-221□□	220	1.00	330	10	100
SCM-4M2012-700□□	70	0.80	400	5	100
SCM-4M2012-900□□	90	0.80	400	5	100
SCM-4M2012-121□□	120	0.90	400	5	100
SCM-4M2012-181□□	180	1.00	330	5	100
SCM-4M2012-201□□	200	1.00	330	5	100
SCM-4M2012-221□□	220	1.00	330	5	100

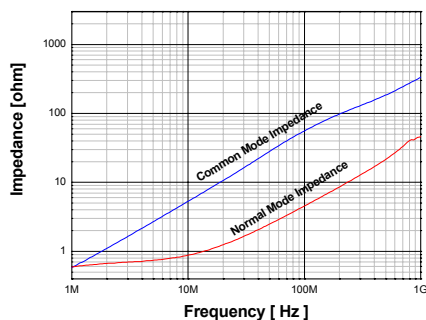
-Y type

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

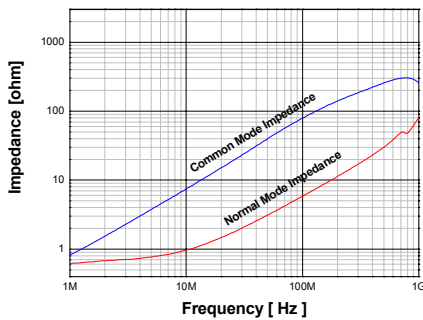
Electrical Characteristic Curves

2012 – 2Line (Single) -M type

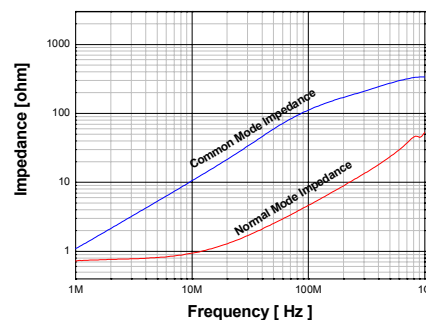
SCM-2M2012-700J



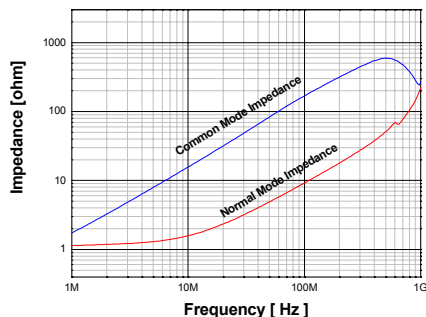
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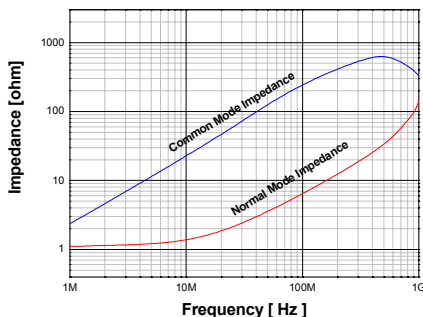
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SCM-2M2012-181J



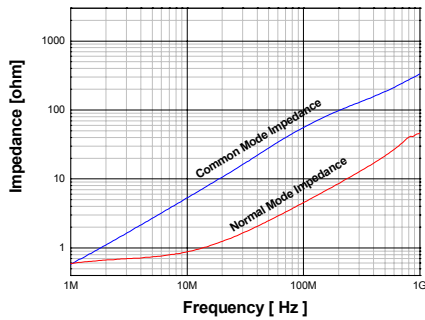
SCM-2M2012-221J



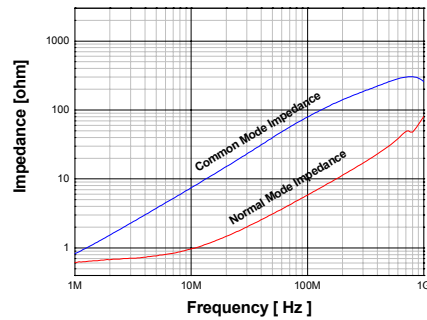
*All specifications are subject to change without notice.

2012 – 4Line (Double) -M type

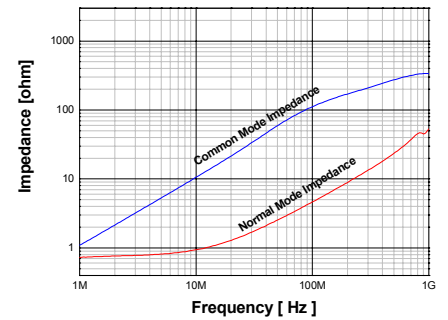
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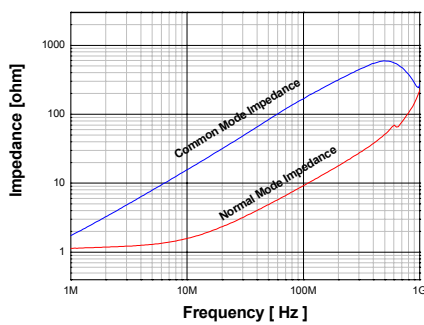
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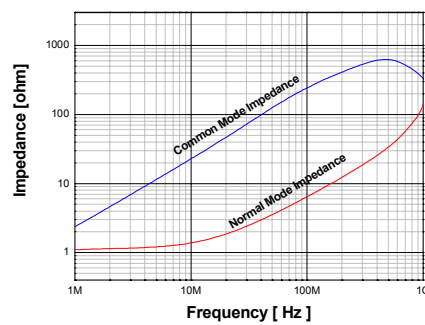
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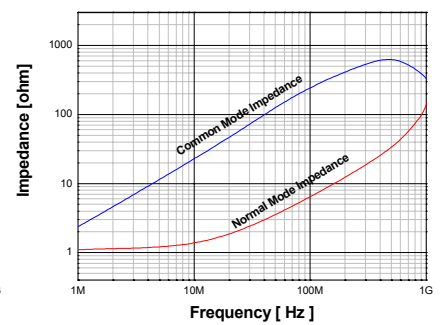
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SCM-4M2012-201J

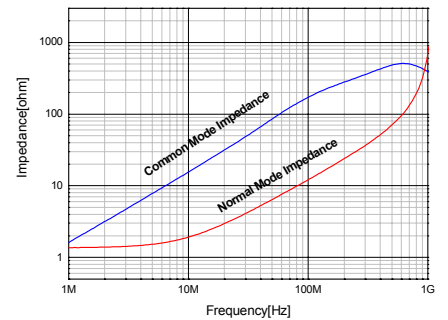
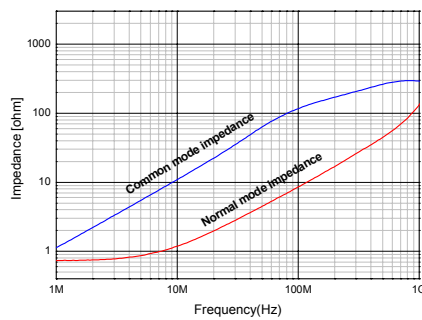
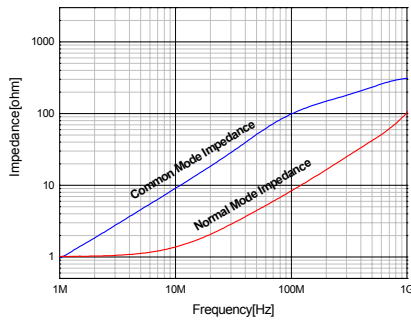


SCM-4M2012-221J



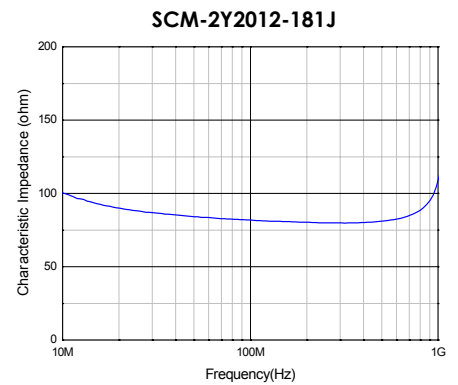
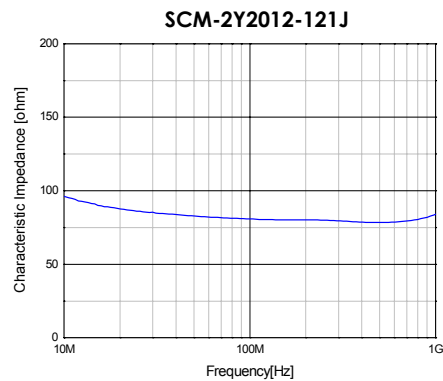
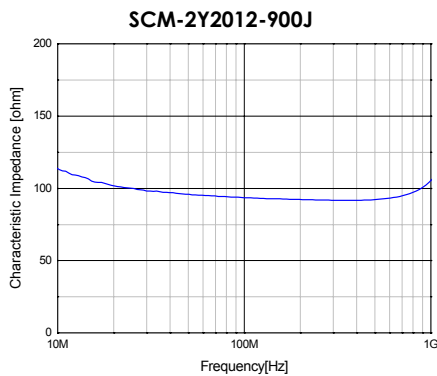
2012 – 2Line (Single) – Y type

SCM-2Y2012-900J



Characteristic Impedance vs. Frequency characteristics

2012-2Line – Y type



Insertion loss vs. Frequency Characteristics

2012-2Line – Y type

