

### Features

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

### Applications

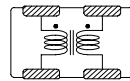
1. Noise suppression in digital bus line equipment
2. IEEE1394a HUB & IEEE1394a control lines.
3. USB host controller & USB, HUB control lines
4. LVDS, panel link line for liquid crystal display panels.

### Ordering Information

**SCM** - **2** **M** **3216** - **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

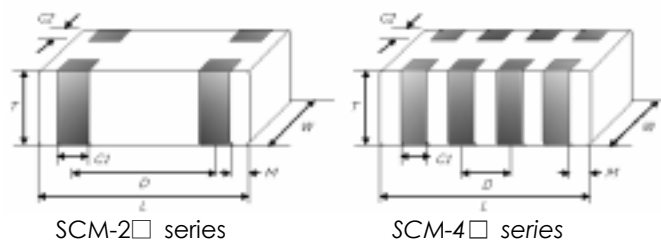
#### (4) Dimension

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 <sub>1</sub>	C <sub>2</sub>	D	M
SCM-2□3216-	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	1.3±0.1 [.051±.004]	0.7±0.2 [.028±.008]	0.3±0.2 [.012±.008]	2.1±0.2 [.083±.008]	0.20±0.1 [.008±.004]
SCM-4□3216-	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	1.3±0.1 [.051±.004]	0.4±0.2 [.016±.008]	0.3±0.2 [.012±.008]	0.80±0.1 [.031±.004]	0.20±0.1 [.008±.004]

\*All specifications are subject to change without notice.

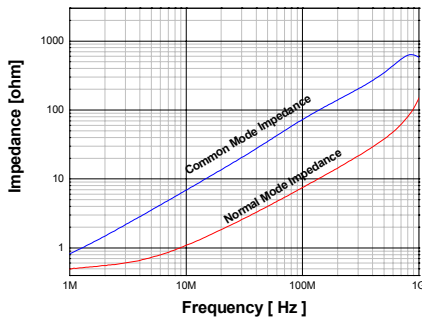
### Electrical Parameters

Part No.	Impedance[Ω] at 100MK.		DC Resistance Max.(Ω)	Rated current Max.(mA)	Rated Voltage Max.(V)	Insulation Resistance Min.(MΩ)
	Typ	Tolerance				
SCM-2M3216-700□□	70	±25%	0.50	400	16	100
SCM-2M3216-900□□	90		0.55	400	16	100
SCM-2M3216-121□□	120		0.60	400	16	100
SCM-2M3216-181□□	180		0.65	330	16	100
SCM-2M3216-221□□	220		0.70	330	16	100
SCM-2M3216-471□□	470		0.80	250	16	100
SCM-4M3216-700□□	70		0.60	400	10	100
SCM-4M3216-900□□	90		0.70	400	10	100
SCM-4M3216-121□□	120		0.80	400	10	100
SCM-4M3216-181□□	180		0.90	330	10	100
SCM-4M3216-221□□	220		0.90	330	10	100
SCM-4S3216-900□□	90		0.70	400	10	100
SCM-4S3216-121□□	120		0.80	400	10	100
SCM-4S3216-181□□	180		1.00	330	10	100
SCM-4S3216-301□□	300		1.20	250	10	100

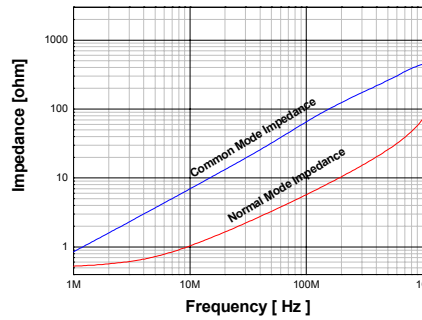
### Electrical Characteristic Curves

3216 – 2Line (Single)

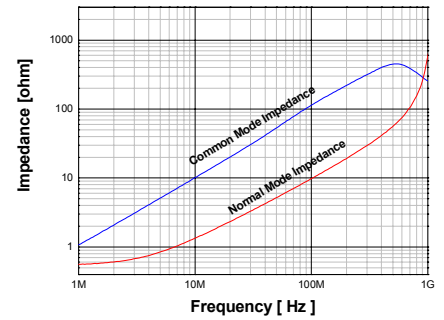
SCM-2M3216-700J



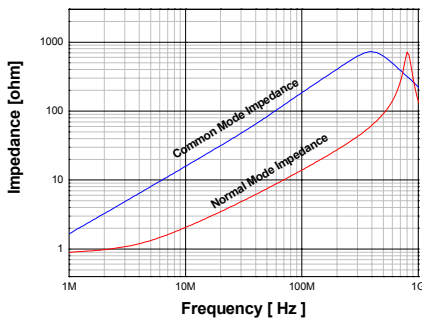
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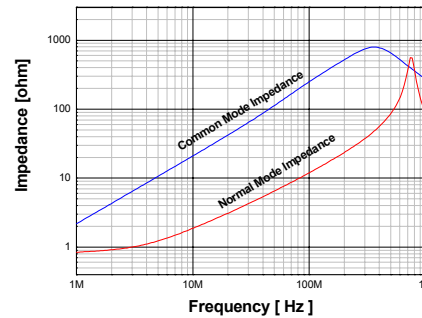
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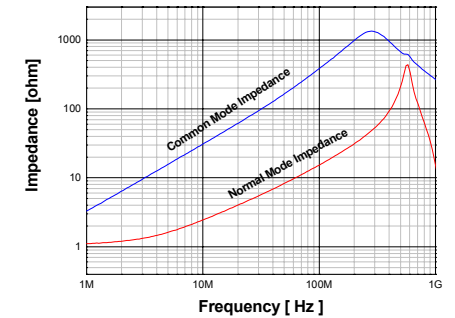
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SCM-2M3216-221J



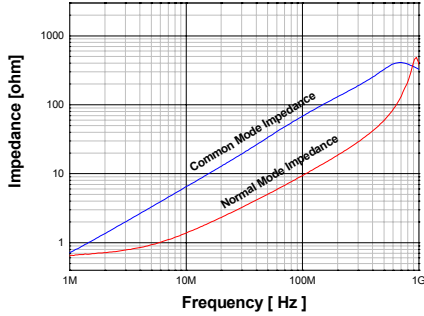
SCM-2M3216-471J



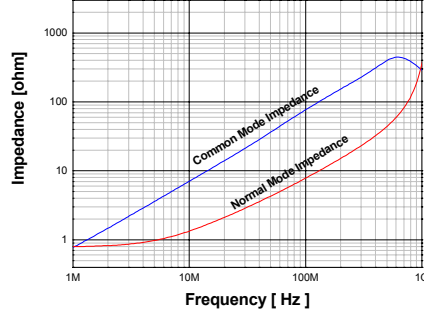
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3216 – 4Line (Double)

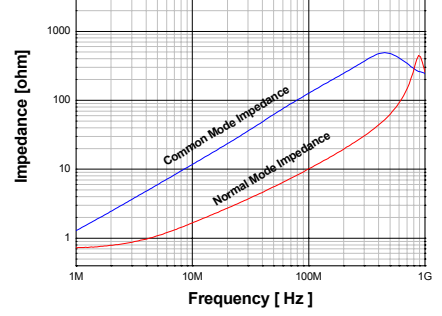
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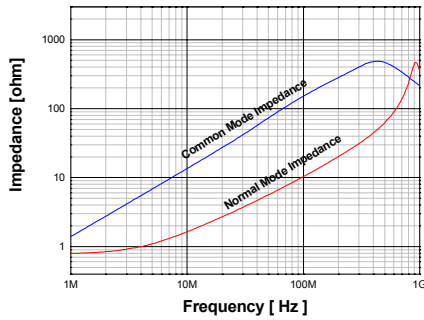
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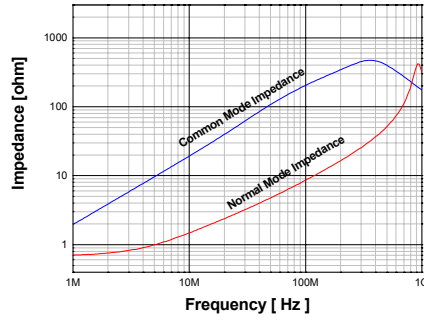
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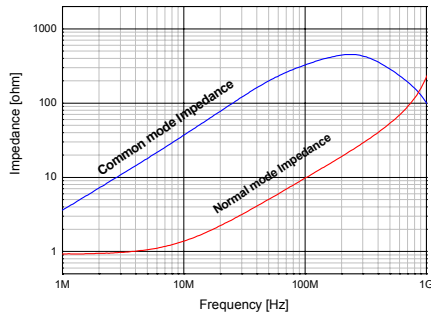


SCM-4M3216-221J

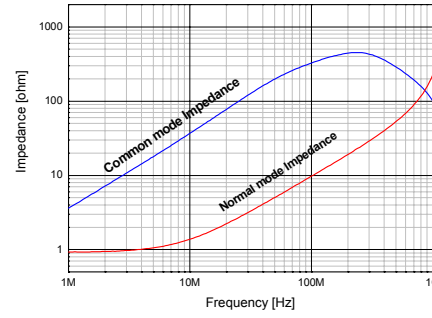


3216 – 4Line (Double) – S type

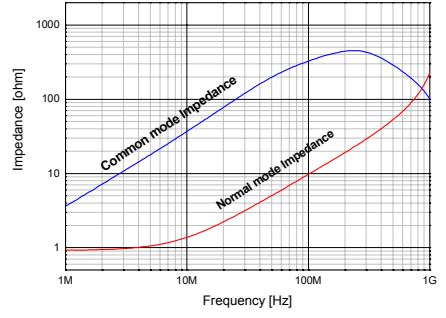
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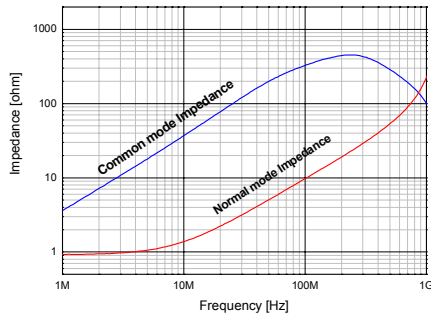
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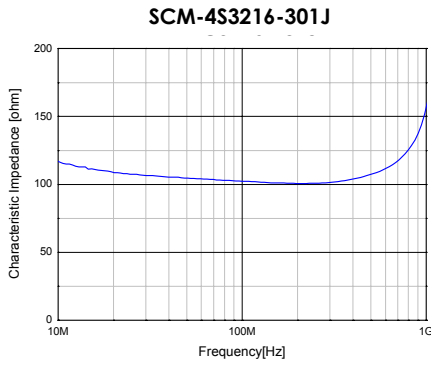
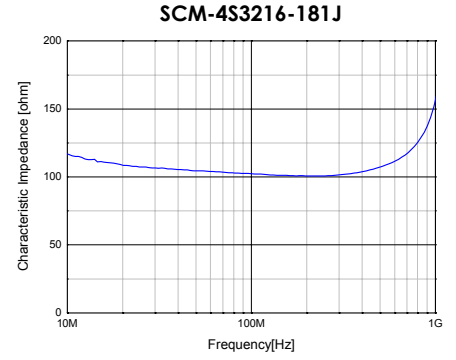
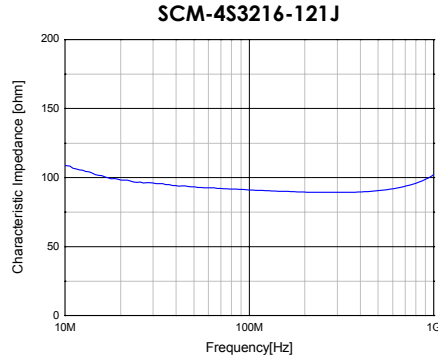
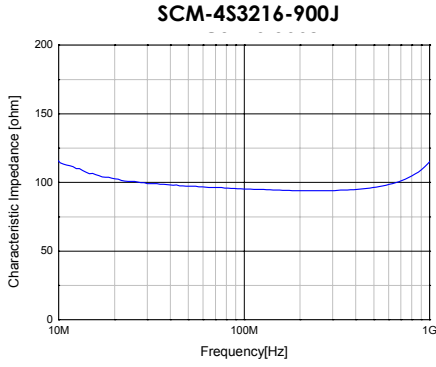


SCM-4S3216-301J



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### Characteristic Impedance vs. Frequency characteristics



### Insertion loss vs. Frequency Characteristics

