

(I) MULTILAYER FERRITE CHIP BEADS

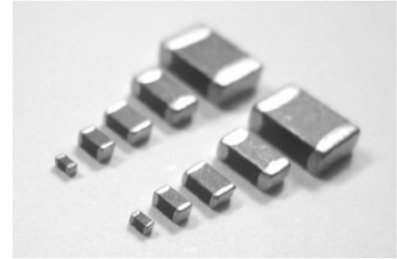
2. SCB Series

Range of Size: (1005(0402)~3216(1206))

Test Equipment : E4991A IMPEDANCE ANALYZER

Operating Temperature : -55 °C ~ +125 °C

The max. rated current: the DC current value having temp. increased 40 °C after thro. DC current 2 hours at ambient temp.

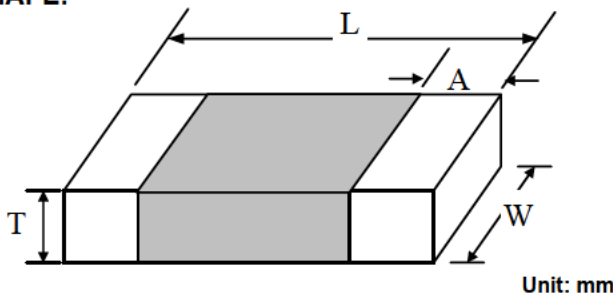


Features

- > The SCB series can be used on high current circuits due to its low DC resistance. It can match power lines to a maximum of 3A DC.
- > Application on high current DC power line EMI suppress, i.e. Hard drives, modems, motherboards, printer, monitors etc.
- > Either flow or reflow soldering methods can be used due to electroplating of the terminal electrodes.
- > High reliability due to an entirely monolithic structure.
- > Low DC resistance structure of electrode prevents wasteful electric power consumption.

General Dimensions and Configuration

SHAPE:



EQUIVALENT CIRCUIT DIAGRAM:

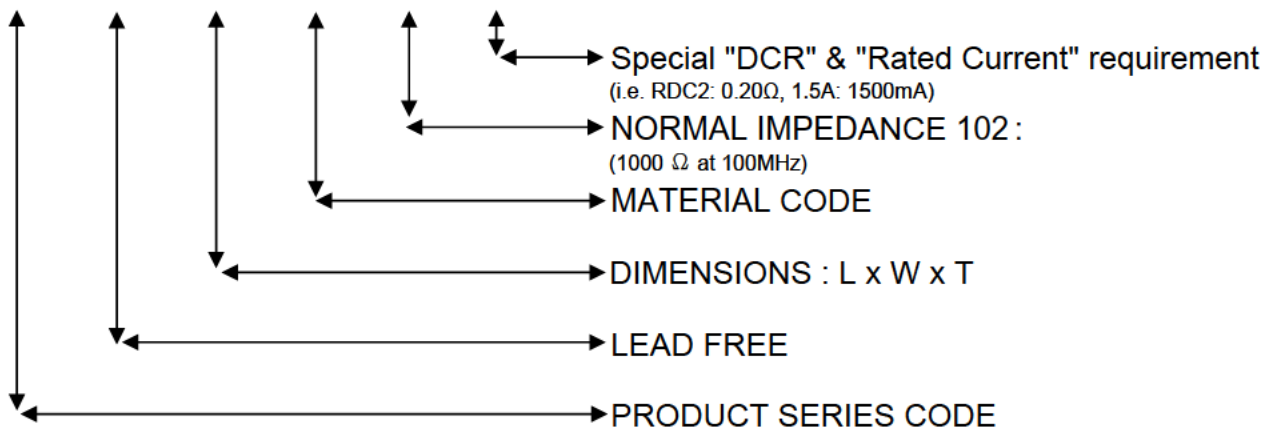


DIMENSIONS:

SHAPE	L (m/m)	W (m/m)	T (m/m)	A (m/m)	Net Weight (mg)
100505(0402)	1.00±0.05	0.50±0.05	0.50±0.05	0.10~0.30	1.10
160808(0603)	1.60±0.15	0.80±0.15	0.80±0.15	0.20~0.60	5.80
201209(0805)	2.00±0.20	1.25±0.20	0.90+0.15/-0.20	0.20~0.80	12.00
321611(1206)	3.20±0.20	1.60±0.20	1.10±0.20	0.40~1.00	28.00

Part Numbering Systems

SCB 201209 A 102 1.5A



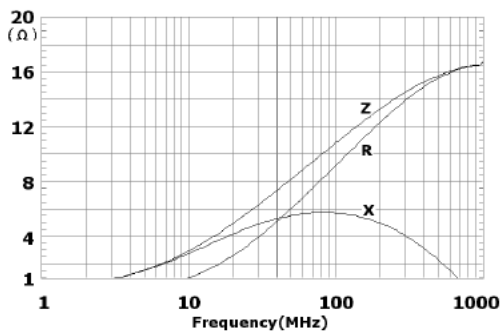
2. SCB Series (Size: 2012 (0805))

Electrical Characteristics

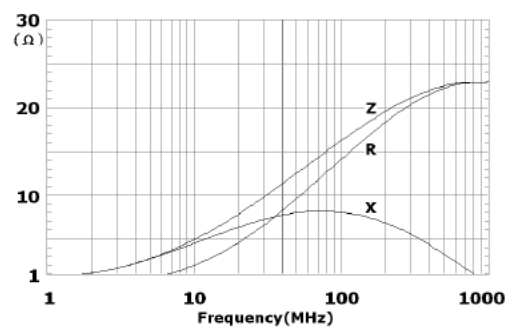
Part No.	Impedance (Ω) $\pm 25\%$ (100MHz, 500mV)	DC Resistance Ω (Max.)	Rated Current mA (Max.)
SCB201209A110	11	0.03	3000
SCB201209A170	17	0.03	3000
SCB201209A310	31	0.03	3000
SCB201209A470	47	0.03	3000
SCB201209A520	52	0.03	3000
SCB201209A600	60	0.04	3000
SCB201209A800	80	0.04	3000
SCB201209A101	100	0.04	3000
SCB201209A121	120	0.05	3000
SCB201209A221	220	0.05	3000
SCB201209A301	300	0.05	3000
SCB201209A331 2A	330	0.09	2000
SCB201209A601 2A	600	0.10	2000
SCB201209A102 1A	1000	0.30	1000
SCB201209A102 1.5A	1000	0.12	1500
SCB201209A152 1A	1500	0.30	1000

Rating Curves

SCB201209A110



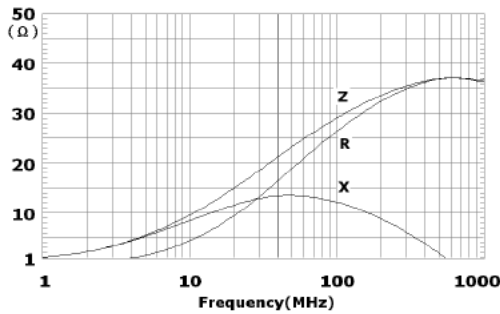
SCB201209A170



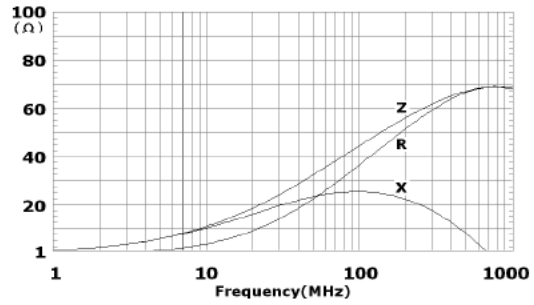
2. SCB Series (Size: 2012 (0805))

Rating Curves (Cont'd)

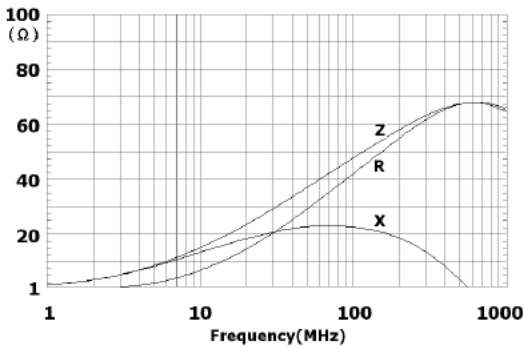
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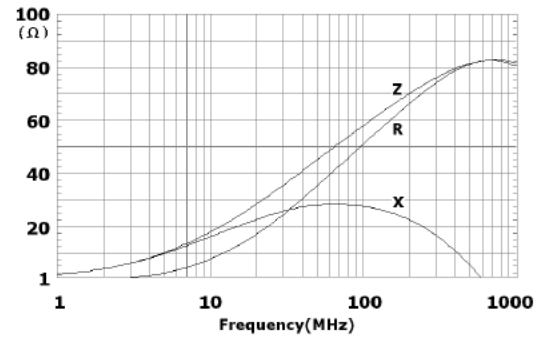
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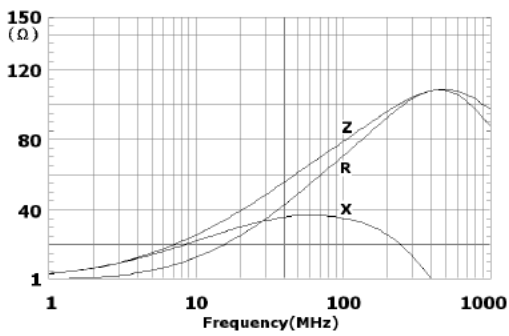
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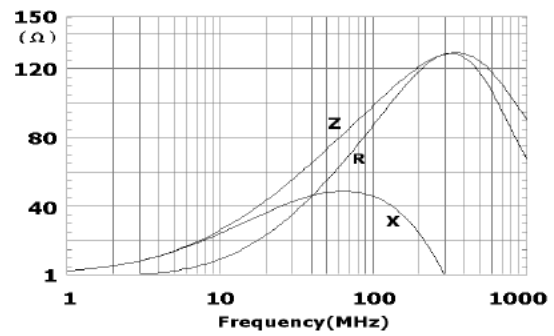
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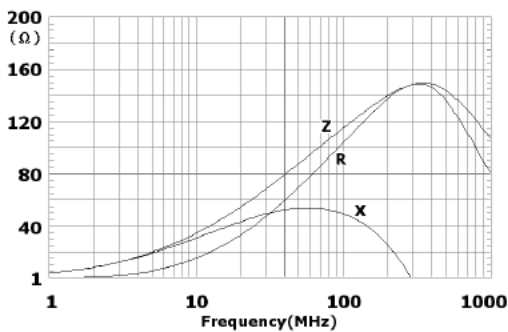
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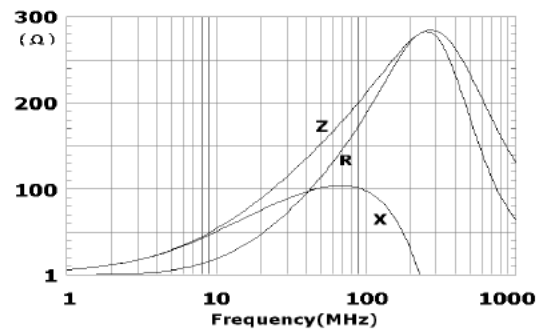
SCB201209A101



SCB201209A121



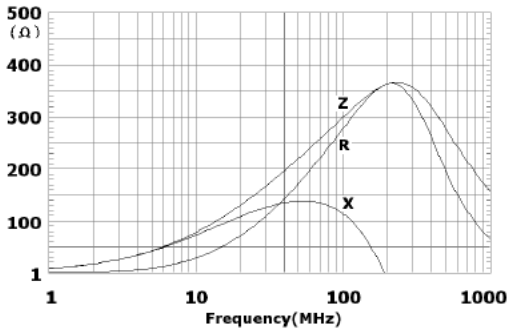
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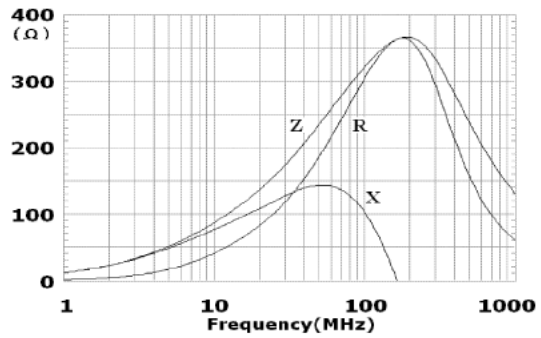
2. SCB Series (Size: 2012 (0805))

Rating Curves (Cont'd)

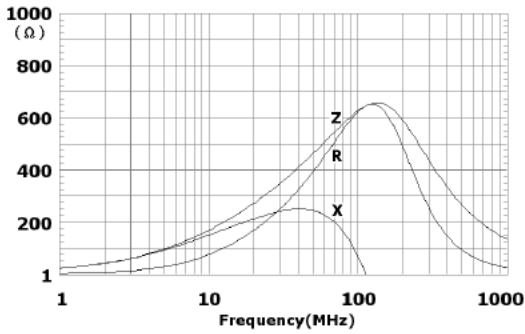
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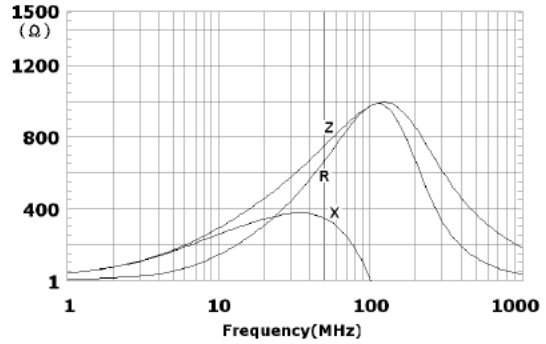
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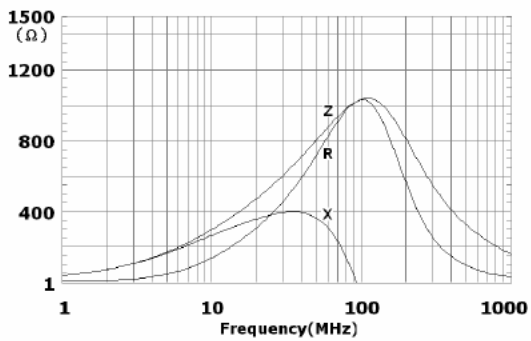
SCB201209A601 2A



SCB201209A102 1A



SCB201209A102 1.5A



SCB201209A152 1A

