

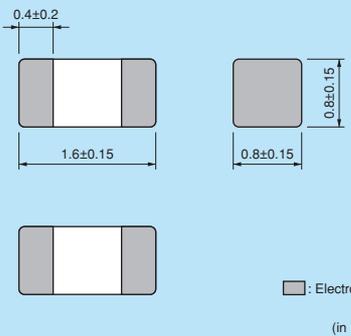
BLM18R Series 0603/1608 (inch/mm)



For digital I/F. Reduces the distortion of waveform created by resonance.



■ Dimensions



(in mm)

■ Equivalent Circuit



(Resistance element becomes dominant at high frequencies.)

■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Reel Paper Tape	4000
J	330mm Reel Paper Tape	10000
B	Bulk(Bag)	1000

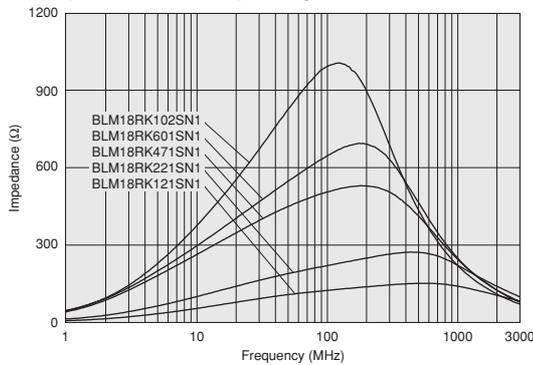
Refer to pages from p.100 to p.103 for mounting information.

■ Rated Value (□: packaging code)

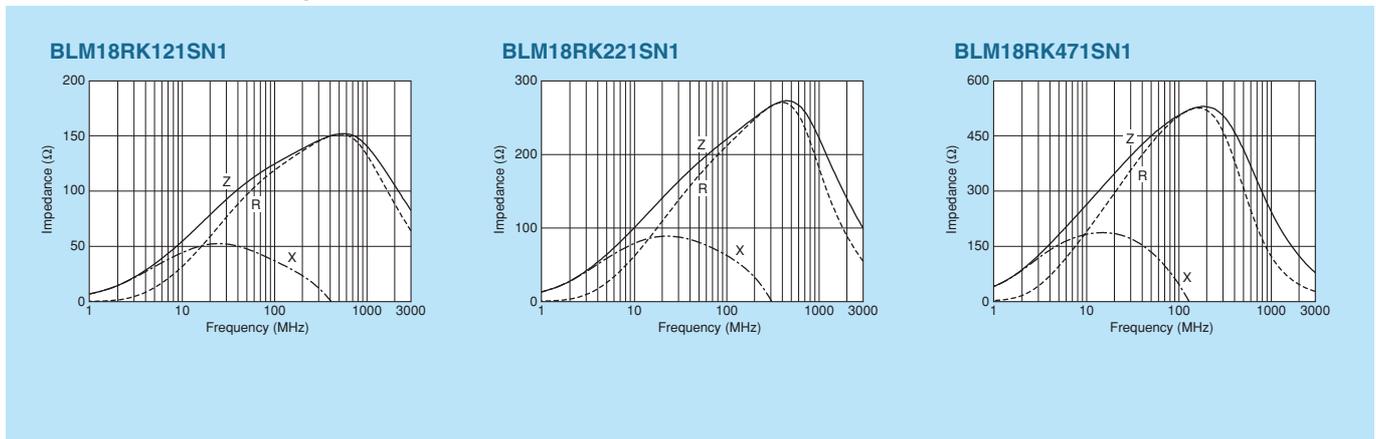
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM18RK121SN1□	120ohm ±25%	200mA	0.25ohm max.	-55°C to +125°C
BLM18RK221SN1□	220ohm ±25%	200mA	0.30ohm max.	-55°C to +125°C
BLM18RK471SN1□	470ohm ±25%	200mA	0.50ohm max.	-55°C to +125°C
BLM18RK601SN1□	600ohm ±25%	200mA	0.60ohm max.	-55°C to +125°C
BLM18RK102SN1□	1000ohm ±25%	200mA	0.80ohm max.	-55°C to +125°C

Number of Circuits: 1

■ Impedance-Frequency Characteristics



■ Impedance-Frequency Characteristics

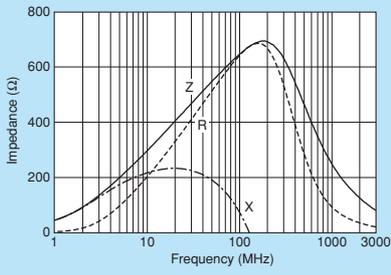


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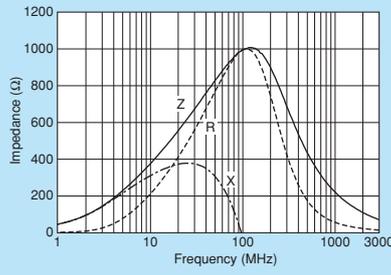
⚠Note • Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
 • This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

■ Impedance-Frequency Characteristics

BLM18RK601SN1



BLM18RK102SN1



Chip Ferrite Bead
 0603/1608 (inch/mm)

Chip EMIFIL®

Chip Common Mode Choke Coil

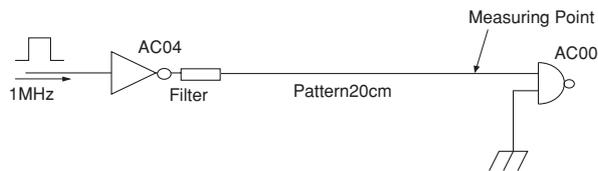
Block Type EMIFIL®

Microwave Absorber

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Waveform Distortion Suppressing Performance of BLM□□R Series

Measuring Circuits



Type of Filter	EMI Suppression Effect / Description		
Initial (No filter)	<p>Signal waveform (100nsec/div, 2V/div)</p>	<p>Expand (10nsec/div, 2V/div)</p>	<p>Spectrum</p>
Resistor (47Ω) is used	<p>Signal waveform (100nsec/div, 2V/div)</p>	<p>Expand (10nsec/div, 2V/div)</p>	<p>Spectrum</p>
BLM18RK221SN1 (220Ω at 100MHz) is used	<p>Signal waveform (100nsec/div, 2V/div)</p>	<p>Expand (10nsec/div, 2V/div)</p>	<p>Spectrum</p>
	<p>BLM18R has excellent performance for noise suppression and waveform distortion suppression. BLM18R suppresses drastically not only the spectrum level in more than 100MHz range but waveform distortion.</p>		

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