

FEATURES

- High Performance
 - High rated current (More than 8A)
 - High impedance at 1GHz to 3GHz
 - AEC-Q200 compliant
 - -55 to +125°C Operating Temperature
- Compact Packaging
 - 3.2x 1.6 x 1.2mm (BLM31SN series)
 - 2.0x 1.2 x 0.85mm (BLM21SN series)
 - 1.6x 0.8 x 0.6mm (BLM18SN series)
 - SMD



APPLICATIONS

- Automotive
- Networking
- Communications
- Industrial Controls
- Factory Automation
- Consumer Electronics

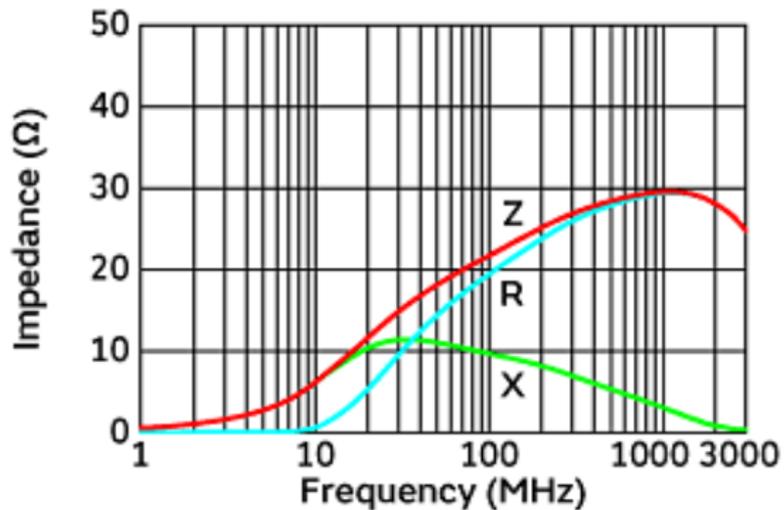
BLM-SN series

Part Number	Impedance @100MHz	*Rated Current [mA] @85°C	*Rated Current [mA] @105°C	DC Resistance
BLM18SN220TN1	22ohm	8000	5000	0.004ohm
BLM21SN300SN1	30ohm	8500	6000	0.004ohm
BLM31SN500SN1	50ohm	12000	10000	0.0016ohm

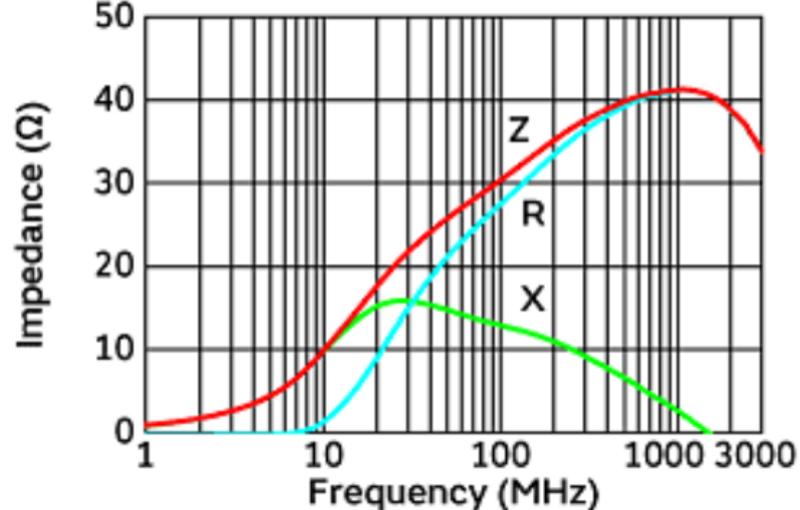
* When Rated Current is applied to the product, Temperature Rise caused by Self Heating will be 20°C or less.

BLM-SN series Impedance Characteristic

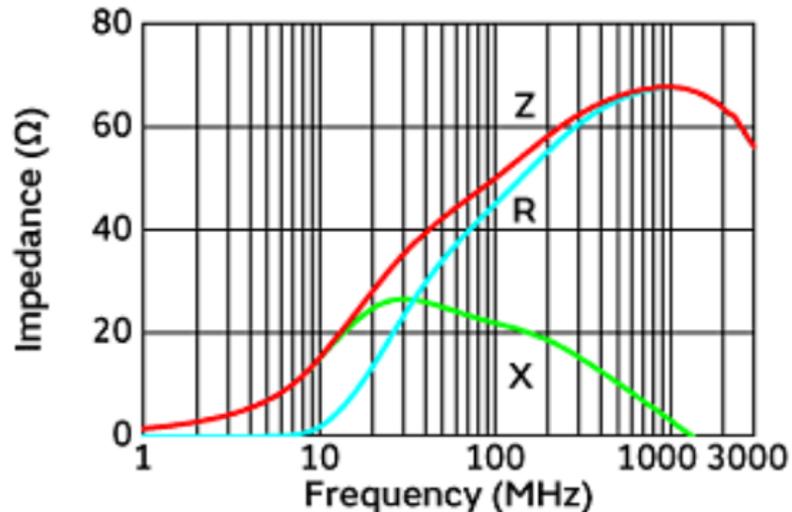
<BLM18SN>



<BLM21SN>



<BLM31SN>



- ❑ The BLM-SN series are available for both General Purpose and Automotive Infotainment:
 - N = General Purpose (ex. 12th digit: **BLM18SN220TN1**)
 - Z = Automotive Infotainment (ex. 12th digit: **BLM18SN220TZ1**)
 - H = Automotive Power train and Safety (ex. 12th digit: **BLM18SN220TH1**)

- ❑ The BLM-SN series have high rated current (More than 8A).They also have good impedance from 100MHz to 3GHz.

Murata product line up for power supply -High rated current noise filter-

Large Current EMI Filters for Power Supply

		size	Rated current	
DLW5BT Common choke		5.0mm x 5.0mm Tmax=2.5mm	Qualified to AEC-Q200	
PLT5BPH Common choke		5.0mm x 5.0mm Tmax=4.7mm	Qualified to AEC-Q200	
BLE32P Ferrite beads		3.2mm x 2.5mm Tmax=2.0mm	Qualified to AEC-Q200	
BLM31SN Ferrite beads		3.2mm x 1.6mm Tmax=1.3mm	Qualified to AEC-Q200	
BLM21SN Ferrite beads		2.0mm x 1.2mm Tmax=1.05mm	Qualified to AEC-Q200	
BLM18SN Ferrite beads		1.6mm x 0.8mm Tmax=0.65mm	Qualified to AEC-Q200	
BNX02_ Block type		12.1mm x 9.1mm Tmax=9.3mm	Qualified to AEC-Q200	
PLT10HH Common choke		12.9mm x 6.6mm Tmax=9.3mm	Qualified to AEC-Q200	

