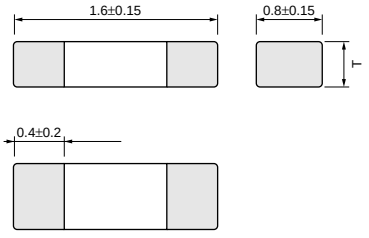
Chip EMIFIL® Inductor Type for GHz Noise Chip Ferrite Beads

BLM18E Series (0603 Size)

■ Dimension



T

BLM18EG□□□TN1	0.5±0.15
BLM18EG□□□SN1	0.8±0.15

(in mm)

■ Equivalent Circuit

(Resistance element becomes dominant at high frequencies.)

■ Packaging

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

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance (max.)	Operating Temperature Range	Number of Circuits
BLM18EG101TN1□	100ohm±25%	140ohm(Typ.)	2000mA	0.045ohm	-55°C to +125°C	1
BLM18EG121SN1□	120ohm±25%	145ohm(Typ.)	2000mA	0.04ohm	-55°C to +125°C	1
BLM18EG221SN1□	220ohm±25%	260ohm(Typ.)	2000mA	0.05ohm	-55°C to +125°C	1
BLM18EG221TN1□	220ohm±25%	300ohm(Typ.)	1000mA	0.15ohm	-55°C to +125°C	1
BLM18EG331TN1□	330ohm±25%	450ohm(Typ.)	500mA	0.21ohm	-55°C to +125°C	1
BLM18EG391TN1□	390ohm±25%	520ohm(Typ.)	500mA	0.3ohm	-55°C to +125°C	1
BLM18EG471SN1□	470ohm±25%	550ohm(Typ.)	500mA	0.21ohm	-55°C to +125°C	1
BLM18EG601SN1□	600ohm±25%	700ohm(Typ.)	500mA	0.35ohm	-55°C to +125°C	1

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⚠ **Note:**

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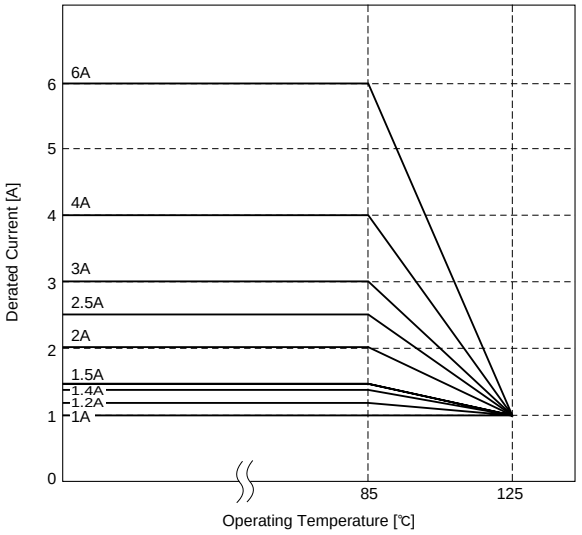
■ Notice (Rating)

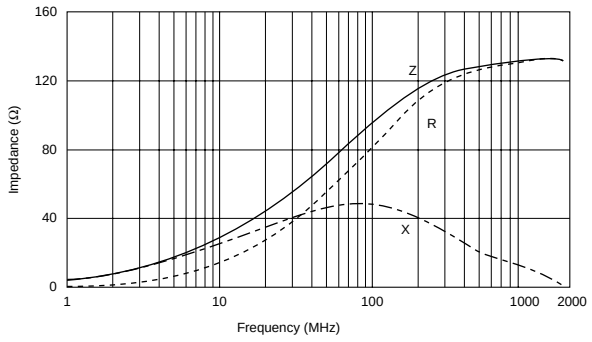
In operating temperatures exceeding +85℃, derating of current is necessary for chip Ferrite Beads for which rated current is 1200mA or over. Please apply the derating curve shown in chart according to the operating temperature.

[Derating]



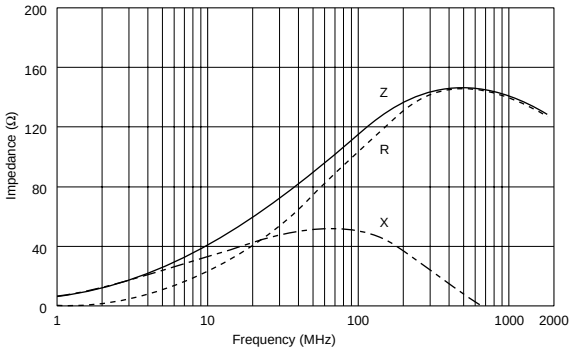
■ Impedance-Frequency Characteristics

BLM18EG101TN1



■ Impedance-Frequency Characteristics

BLM18EG121SN1



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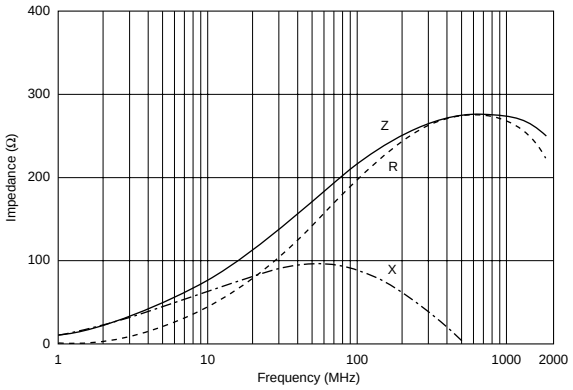
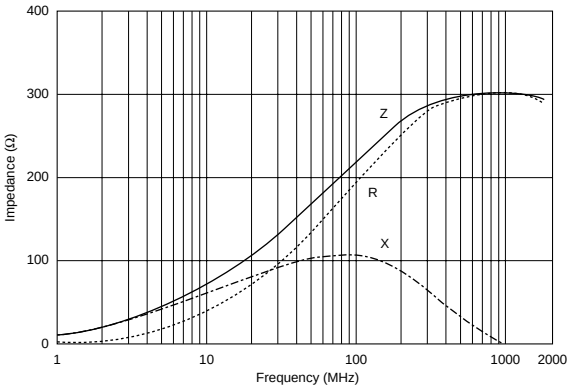
■ Impedance-Frequency Characteristics

BLM18EG221SN1



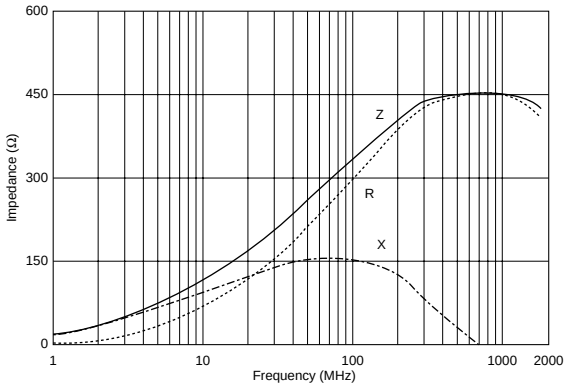
■ Impedance-Frequency Characteristics

BLM18EG221TN1



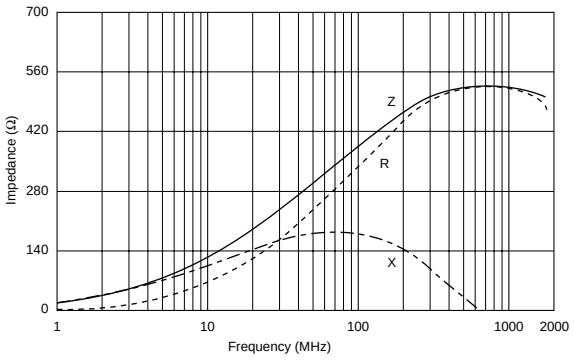
■ Impedance-Frequency Characteristics

BLM18EG331TN1



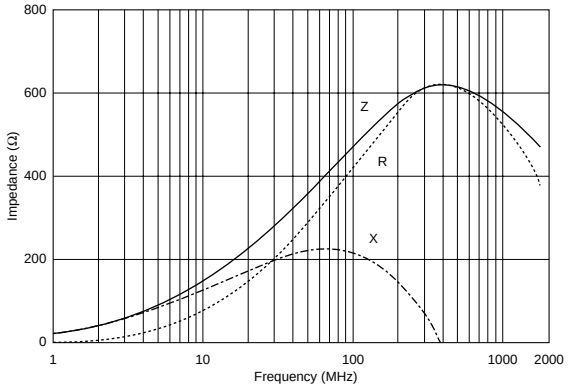
■ Impedance-Frequency Characteristics

BLM18EG391TN1



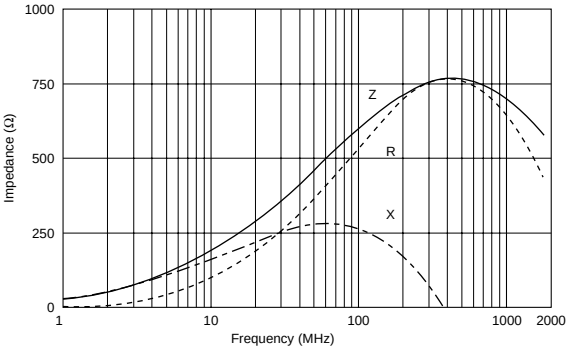
■ Impedance-Frequency Characteristics

BLM18EG471SN1



■ Impedance-Frequency Characteristics

BLM18EG601SN1



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■ ⚠Caution/Notice

⚠Caution (Rating)

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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