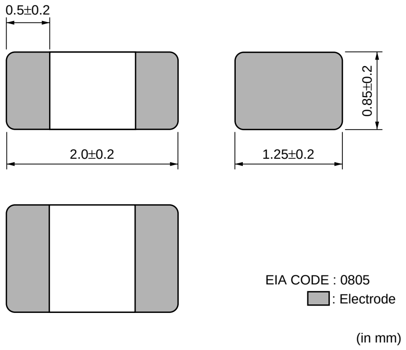
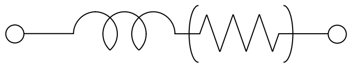
EMIFIL® (Inductor type) Chip Ferrite Bead

BLM21P Series (0805 Size)

■ Dimensions



■ 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
BLM21PG220SN1☐	22ohm±25%	-	6000mA	0.01ohm	-55 to +125°C
BLM21PG300SN1☐	30ohm(Typ.)	-	3000mA	0.015ohm	-55 to +125°C
BLM21PG600SN1☐	60ohm±25%	-	3000mA	0.025ohm	-55 to +125°C
BLM21PG121SN1☐	120ohm±25%	-	3000mA	0.03ohm	-55 to +125°C
BLM21PG221SN1☐	220ohm±25%	-	2000mA	0.050ohm	-55 to +125°C
BLM21PG331SN1☐	330ohm±25%	-	1500mA	0.09ohm	-55 to +125°C

Number of Circuits: 1

Continued on the following page. ↗

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⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it’s specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

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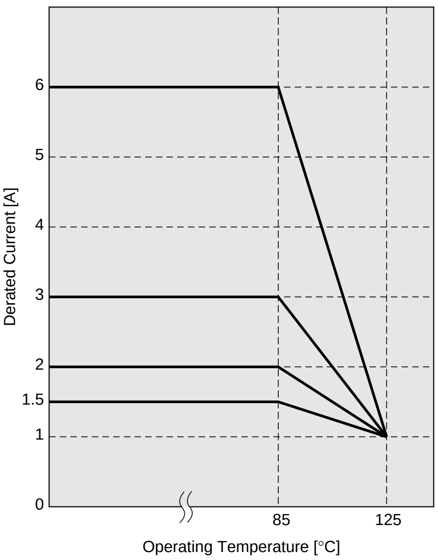
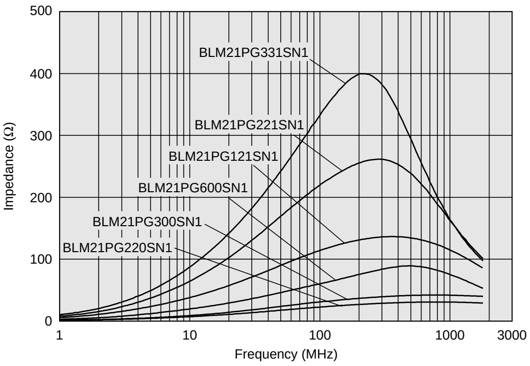
Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for BLM21PG series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating

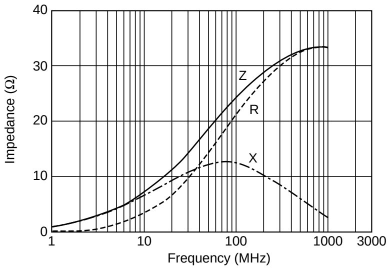


Impedance-Frequency Characteristics (Main Items)



Impedance-Frequency Characteristics

BLM21PG220SN1



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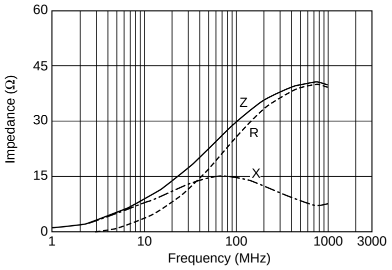
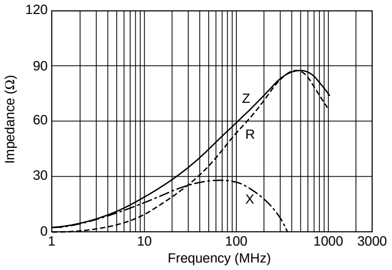
■ Impedance-Frequency Characteristics

BLM21PG300SN1



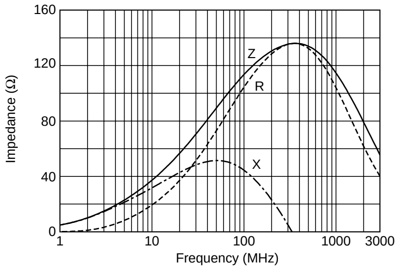
■ Impedance-Frequency Characteristics

BLM21PG600SN1



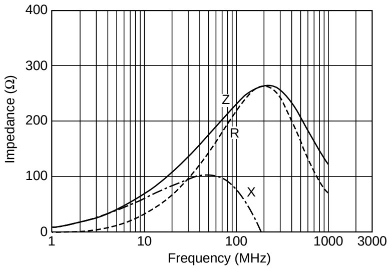
■ Impedance-Frequency Characteristics

BLM21PG121SN1



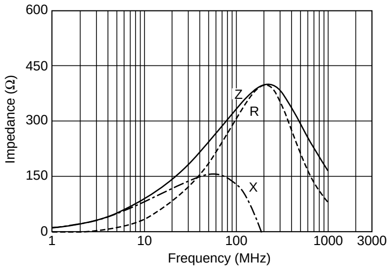
■ Impedance-Frequency Characteristics

BLM21PG221SN1



■ Impedance-Frequency Characteristics

BLM21PG331SN1



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■ ⚠Caution/Notice

⚠Caution (Rating)

Do not use products beyond the rated current 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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