Jameco Part Number 1845321

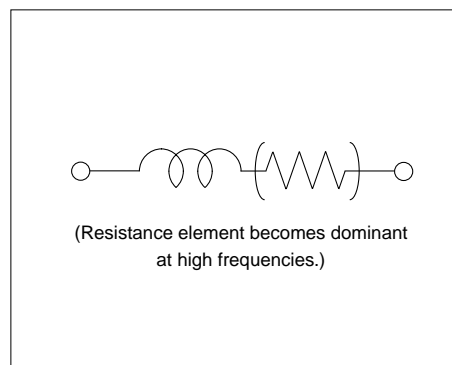Data Sheet   1

Chip EMIFIL® Inductor Type Chip Ferrite Beads

BLM21P Series (0805 Size)

■ Dimension

0.5±0.2

0.85±0.2

2.0±0.2

1.25±0.2

EIA CODE : 0805

(in mm)

■ Equivalent Circuit

(Resistance element becomes dominant at high frequencies.)
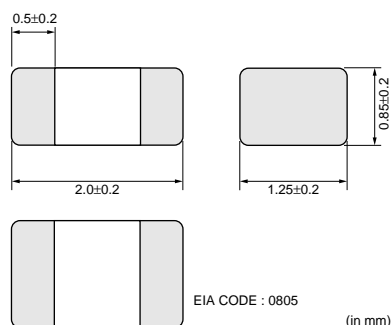
■ Packaging

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
BLM21PG220SN1□	22ohm±25%	-	6000mA	0.01ohm	-55°C to +125°C	1
BLM21PG300SN1□	30ohm(Typ.)	-	3000mA	0.015ohm	-55°C to +125°C	1
BLM21PG600SN1□	60ohm±25%	-	3000mA	0.025ohm	-55°C to +125°C	1
BLM21PG221SN1□	220ohm±25%	-	2000mA	0.050ohm	-55°C to +125°C	1
BLM21PG331SN1□	330ohm±25%	-	1500mA	0.09ohm	-55°C to +125°C	1

● This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.
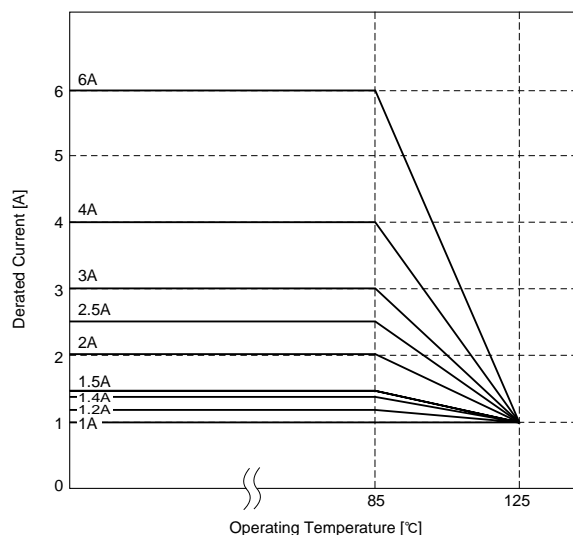
⚠ Note:

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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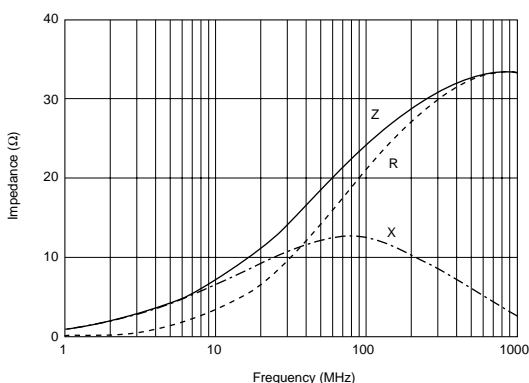⬐ Continued from the preceding page.

■ Notice (Rating)

In operating temperatures exceeding +85℃, derating of current is necessary for chip Ferrite Beads for which rated current is 1500mA or over. Please apply the derating curve shown in chart according to the operating temperature.
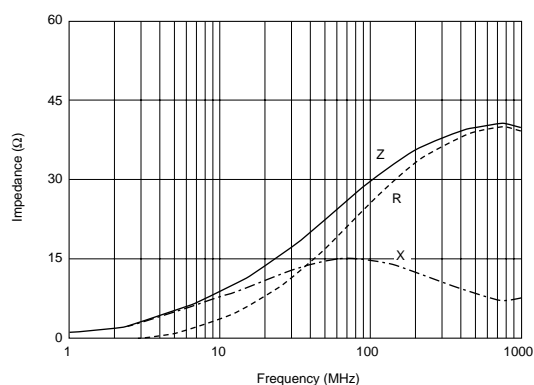
[Derating]

Derated Current [A] vs Operating Temperature [℃]

6A
5
4A
4
3A
3
2.5A
2A
2
1.5A
1.4A
1.2A
1
1A
0
85   125

■ Impedance-Frequency Characteristics

BLM21PG220SN1

Impedance (Ω) vs Frequency (MHz)
Z, R, X

■ Impedance-Frequency Characteristics

BLM21PG300SN1

Impedance (Ω) vs Frequency (MHz)
Z, R, X

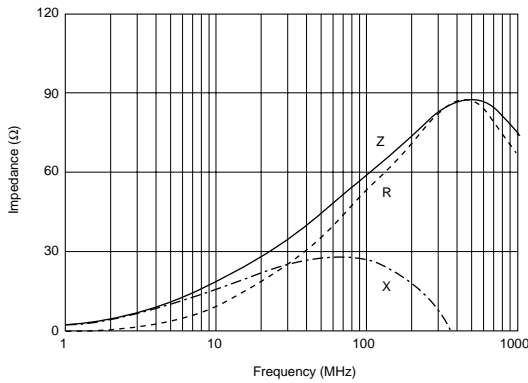● This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

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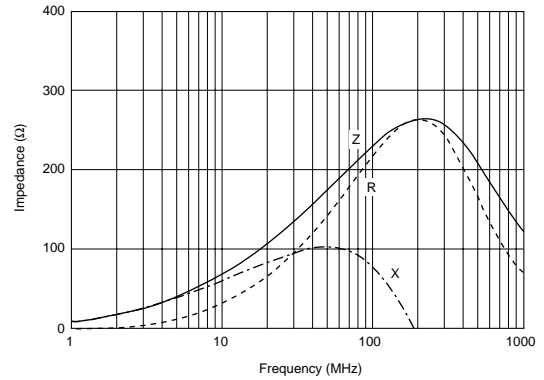
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☒ Continued from the preceding page.

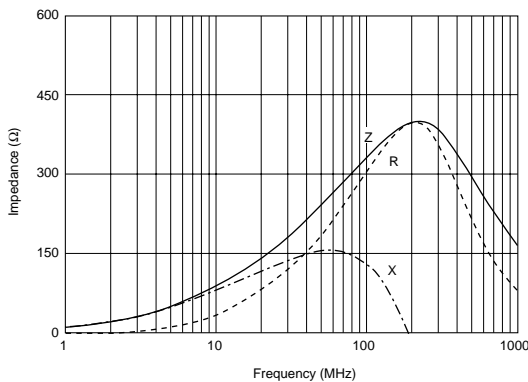## ■ Impedance-Frequency Characteristics
BLM21PG600SN1

■ Impedance-Frequency Characteristics
BLM21PG221SN1

■ Impedance-Frequency Characteristics
BLM21PG331SN1

■ ⚠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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