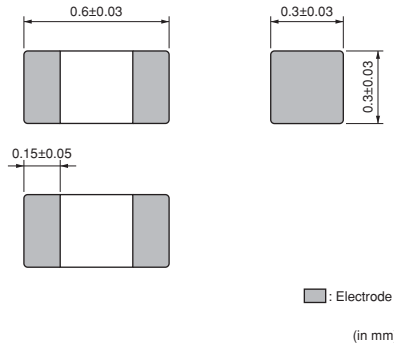


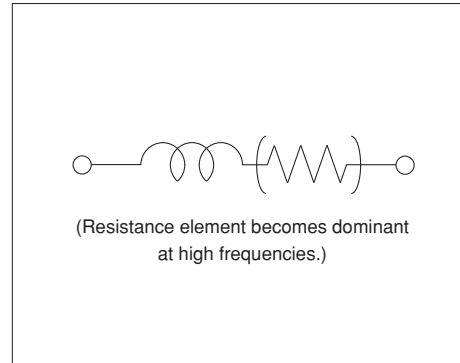
# EMIFIL® (Inductor type) Chip Ferrite Bead for GHz Noise

## BLM03E Series (0201 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	15000
J	330mm Paper Tape	50000
B	Bulk(Bag)	1000

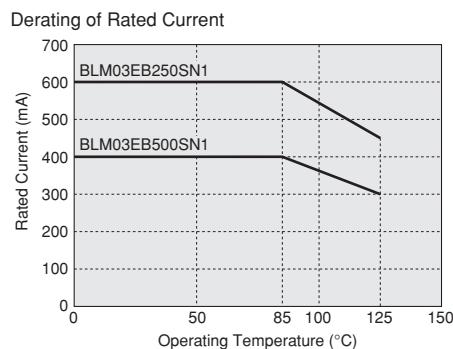
### ■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM03EB250SN1□	25ohm ±25%	105ohm ±40%	600mA	0.26ohm max.	-55 to +125°C
BLM03EB500SN1□	50ohm ±25%	255ohm ±40%	400mA	0.58ohm max.	-55 to +125°C

Number of Circuits: 1

### ■ Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for BLM03E series. Please apply the derating curve shown in chart according to the operating temperature.



Continued on the following page.

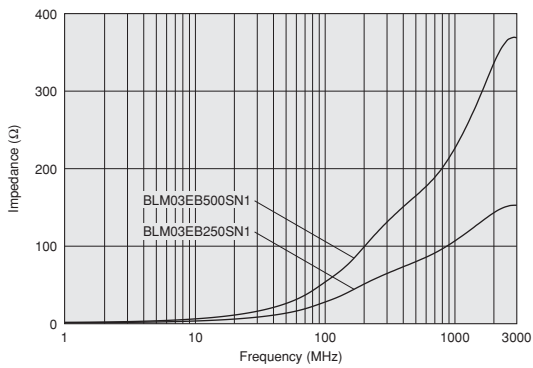
● This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

### ⚠ Note:

- 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.
- 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.

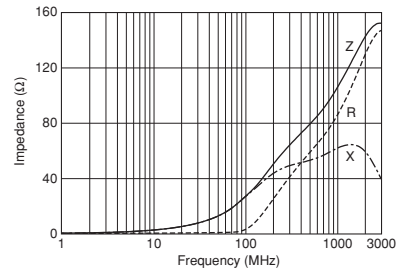
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### ■ Impedance-Frequency Characteristics (Main Items)



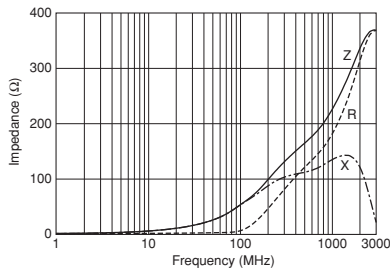
### ■ Impedance-Frequency Characteristics

#### BLM03EB250SN1



### ■ Impedance-Frequency Characteristics

#### BLM03EB500SN1



### ■ ⚠ 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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