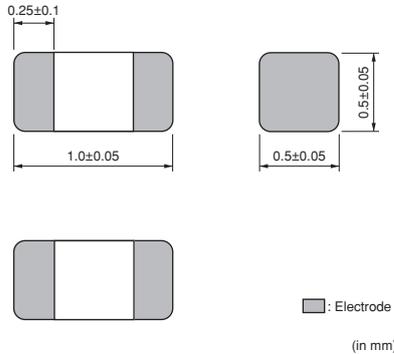


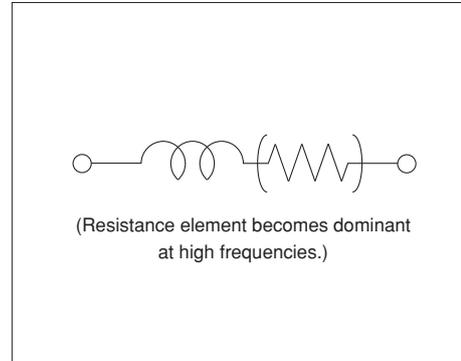
# EMIFIL® (Inductor type) Chip Ferrite Bead

## BLM15PG/BLM15PD Series (0402 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ Packaging

| Code | Packaging        | Minimum Quantity |
|------|------------------|------------------|
| D    | 180mm Paper Tape | 10000            |
| 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 |
|----------------|----------------------------|--------------------------|---------------|---------------|-----------------------------|
| BLM15PG100SN1□ | 10ohm (Typ.)               | -                        | 1000mA        | 0.025ohm max. | -55 to +125°C               |
| BLM15PD300SN1□ | 30ohm ±25%                 | -                        | 2200mA        | 0.035ohm max. | -55 to +125°C               |
| BLM15PD600SN1□ | 60ohm ±25%                 | -                        | 1700mA        | 0.06ohm max.  | -55 to +125°C               |
| BLM15PD800SN1□ | 80ohm ±25%                 | -                        | 1500mA        | 0.07ohm max.  | -55 to +125°C               |
| BLM15PD121SN1□ | 120ohm ±25%                | -                        | 1300mA        | 0.09ohm max.  | -55 to +125°C               |

Number of Circuits: 1

Continued on the following page.

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

#### ⚠ Note:

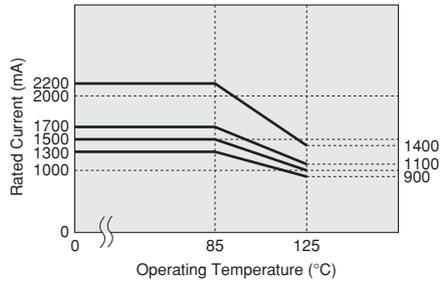
- This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has 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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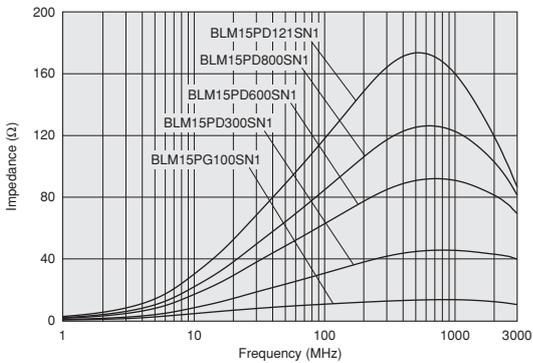
**Derating of Rated Current**

In operating temperature exceeding +85°C, derating of current is necessary for BLM15PD series. Please apply the derating curve shown in chart according to the operating temperature.

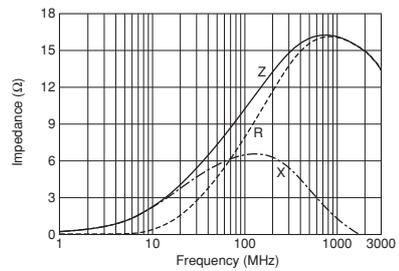
Derating of Rated Current



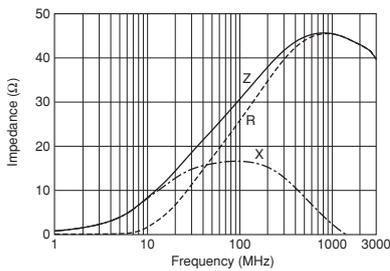
**Impedance-Frequency Characteristics (Main Items)**



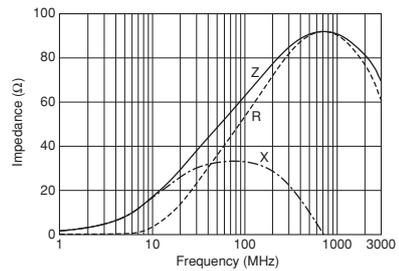
**Impedance-Frequency Characteristics BLM15PG100SN1**



**Impedance-Frequency Characteristics BLM15PD300SN1**



**Impedance-Frequency Characteristics BLM15PD600SN1**



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

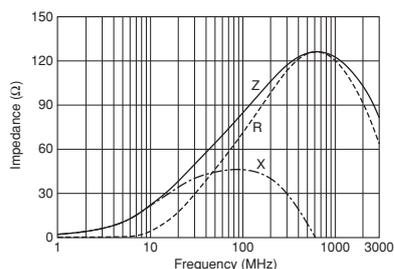
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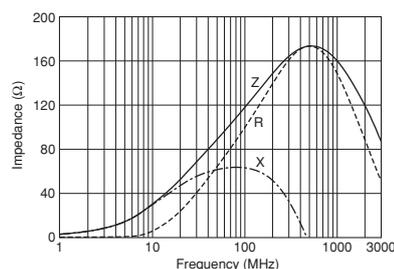
### Impedance-Frequency Characteristics

BLM15PD800SN1



### Impedance-Frequency Characteristics

BLM15PD121SN1



### 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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