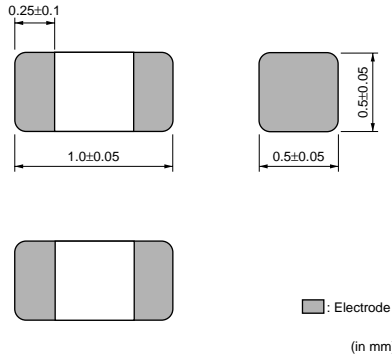


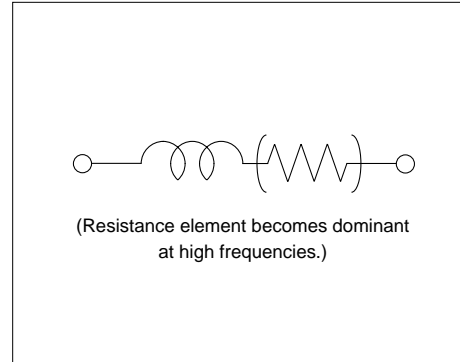
# EMIFIL® (Inductor type) Chip Ferrite Bead

## BLM15P Series (0402 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ Packaging

| Code     | Packaging        | Minimum Quantity |
|----------|------------------|------------------|
| <b>D</b> | 180mm Paper Tape | 10000            |
| <b>J</b> | 330mm Paper Tape | 50000            |
| <b>B</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 |
|------------------------|----------------------------|--------------------------|---------------|----------------------|-----------------------------|
| <b>BLM15PX121SN1</b> □ | 120ohm±25%                 | -                        | 1800mA        | 0.06ohm              | -55 to +125°C               |
| <b>BLM15PG100SN1</b> □ | 10ohm(Typ.)                | -                        | 1000mA        | 0.05ohm              | -55 to +125°C               |
| <b>BLM15PD300SN1</b> □ | 30ohm±25%                  | -                        | 2200mA        | 0.035ohm             | -55 to +125°C               |
| <b>BLM15PD600SN1</b> □ | 60ohm±25%                  | -                        | 1700mA        | 0.06ohm              | -55 to +125°C               |
| <b>BLM15PD800SN1</b> □ | 80ohm±25%                  | -                        | 1500mA        | 0.07ohm              | -55 to +125°C               |
| <b>BLM15PD121SN1</b> □ | 120ohm±25%                 | -                        | 1300mA        | 0.09ohm              | -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.

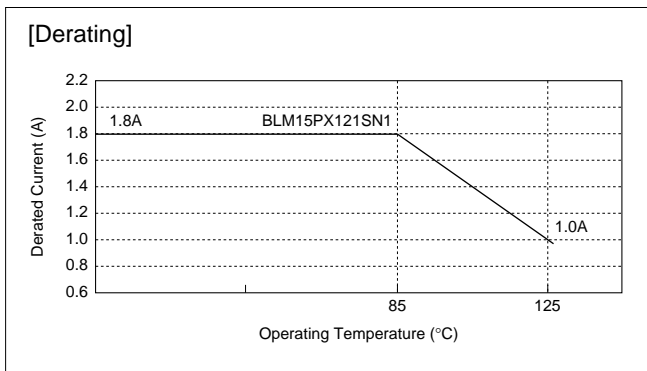
### ⚠ Note:

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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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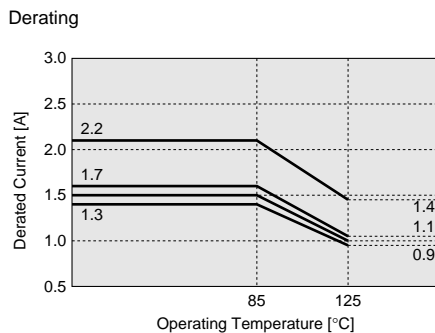
**Derating of Rated Current**

In operating temperature exceeding +85°C, derating of current is necessary for BLM15PX series. Please apply the derating curve shown in chart according to the operating temperature.



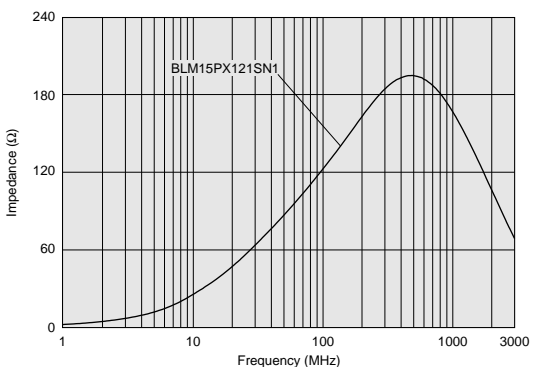
**Derating of Rated Current**

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.



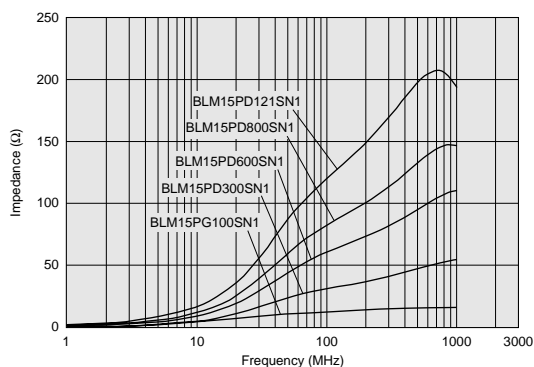
**Impedance-Frequency Characteristics (Main Items)**

**BLM15PX Series**



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

**BLM15PG Series**



Continued on the following page.

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

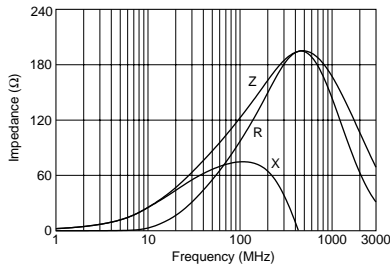
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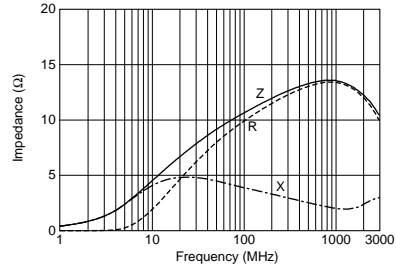
■ Impedance-Frequency Characteristics

BLM15PX121SN1



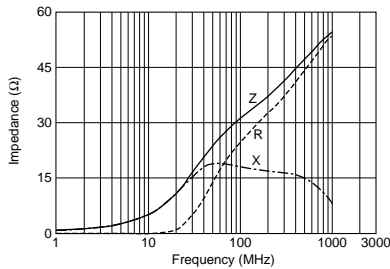
■ Impedance-Frequency Characteristics

BLM15PG100SN1



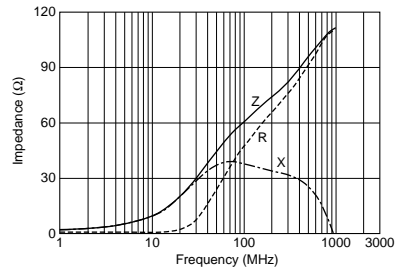
■ Impedance-Frequency Characteristics

BLM15PD300SN1



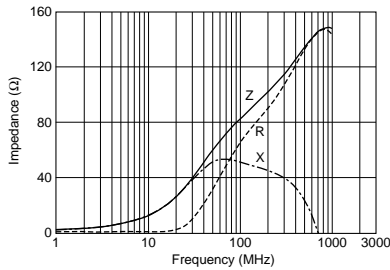
■ Impedance-Frequency Characteristics

BLM15PD600SN1



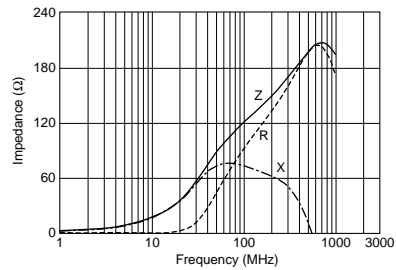
■ Impedance-Frequency Characteristics

BLM15PD800SN1



■ Impedance-Frequency Characteristics

BLM15PD121SN1




Continued on the following page. ↗

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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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