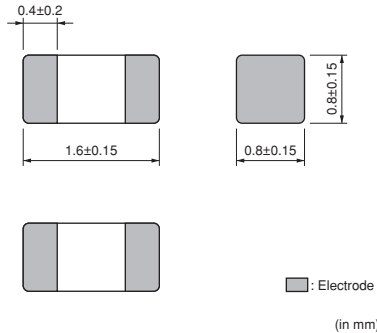


# EMIFIL® (Inductor type) Chip Ferrite Bead

## BLM18P Series (0603 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ 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<br>(at 100MHz/20°C) | Impedance<br>(at 1GHz/20°C) | Rated Current | DC Resistance | Operating<br>Temperature Range |
|----------------|-------------------------------|-----------------------------|---------------|---------------|--------------------------------|
| BLM18PG300SN1□ | 30ohm (Typ.)                  | -                           | 1000mA        | 0.05ohm max.  | -55 to +125°C                  |
| BLM18PG330SN1□ | 33ohm ±25%                    | -                           | 3000mA        | 0.025ohm max. | -55 to +125°C                  |
| BLM18PG600SN1□ | 60ohm (Typ.)                  | -                           | 500mA         | 0.10ohm max.  | -55 to +125°C                  |
| BLM18PG121SN1□ | 120ohm ±25%                   | -                           | 2000mA        | 0.05ohm max.  | -55 to +125°C                  |
| BLM18PG181SN1□ | 180ohm ±25%                   | -                           | 1500mA        | 0.09ohm max.  | -55 to +125°C                  |
| BLM18PG221SN1□ | 220ohm ±25%                   | -                           | 1400mA        | 0.10ohm max.  | -55 to +125°C                  |
| BLM18PG331SN1□ | 330ohm ±25%                   | -                           | 1200mA        | 0.15ohm max.  | -55 to +125°C                  |
| BLM18PG471SN1□ | 470ohm ±25%                   | -                           | 1000mA        | 0.20ohm 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:

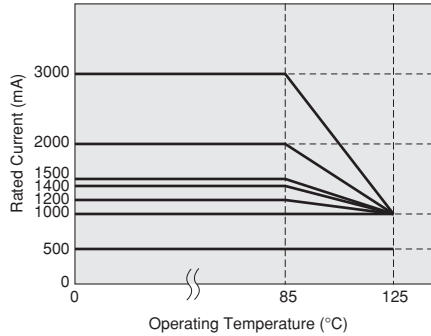
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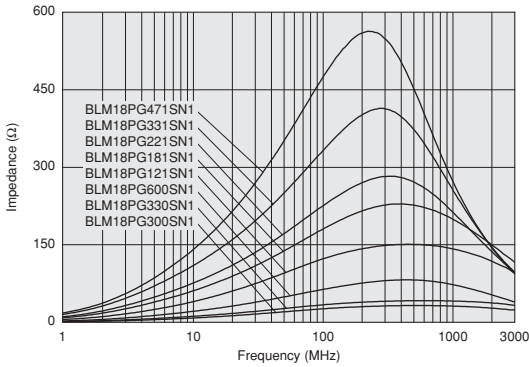
**Derating of Rated Current**

In operating temperature exceeding +85°C, derating of current is necessary for BLM18PG series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

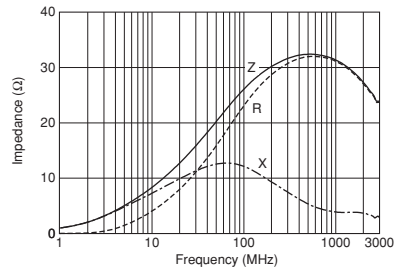


**Impedance-Frequency Characteristics (Main Items)**



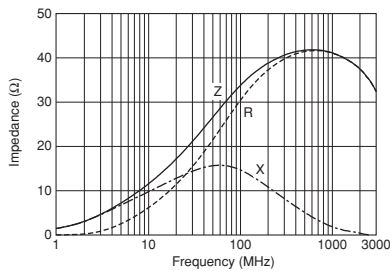
**Impedance-Frequency Characteristics**

**BLM18PG300SN1**



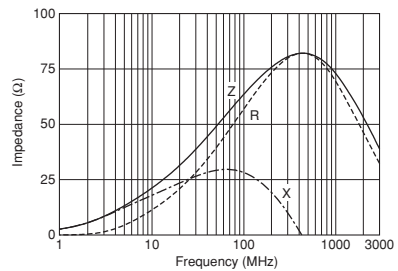
**Impedance-Frequency Characteristics**

**BLM18PG330SN1**



**Impedance-Frequency Characteristics**

**BLM18PG600SN1**



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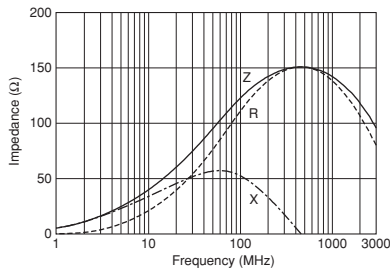
● This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

**Note:**

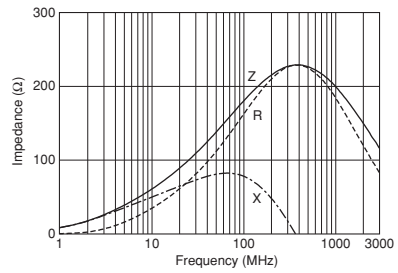
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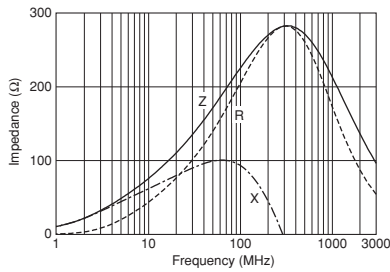
**Impedance-Frequency Characteristics**  
**BLM18PG121SN1**



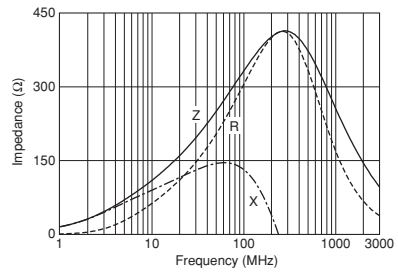
**Impedance-Frequency Characteristics**  
**BLM18PG181SN1**



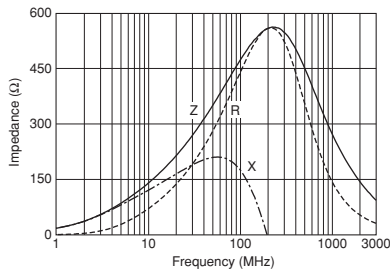
**Impedance-Frequency Characteristics**  
**BLM18PG221SN1**



**Impedance-Frequency Characteristics**  
**BLM18PG331SN1**



**Impedance-Frequency Characteristics**  
**BLM18PG471SN1**




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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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