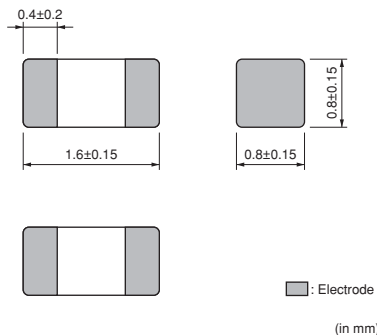


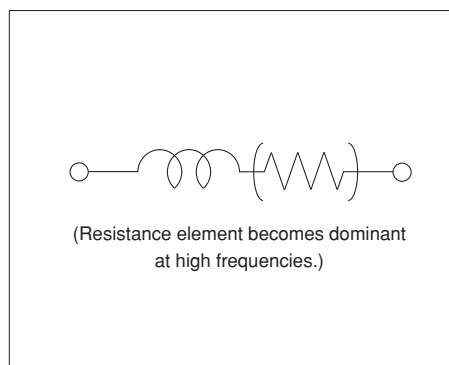
EMIFIL® (Inductor type) Chip Ferrite Bead for GHz Noise

BLM18H 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 (at 100MHz/20°C) | Impedance (at 1GHz/20°C) | Rated Current | DC Resistance | Operating Temperature Range |
|----------------|-------------------------------|-----------------------------|---------------|---------------|--------------------------------|
| BLM18HG471SN1□ | 470ohm ±25% | 600ohm (Typ.) | 200mA | 0.85ohm max. | -55 to +125°C |
| BLM18HG601SN1□ | 600ohm ±25% | 700ohm (Typ.) | 200mA | 1.00ohm max. | -55 to +125°C |
| BLM18HG102SN1□ | 1000ohm ±25% | 1000ohm (Typ.) | 100mA | 1.60ohm max. | -55 to +125°C |
| BLM18HE601SN1□ | 600ohm ±25% | 600ohm (Typ.) | 800mA | 0.25ohm max. | -55 to +125°C |
| BLM18HE102SN1□ | 1000ohm ±25% | 1000ohm (Typ.) | 600mA | 0.35ohm max. | -55 to +125°C |
| BLM18HE152SN1□ | 1500ohm ±25% | 1500ohm (Typ.) | 500mA | 0.50ohm max. | -55 to +125°C |
| BLM18HD471SN1□ | 470ohm ±25% | 1000ohm (Typ.) | 100mA | 1.20ohm max. | -55 to +125°C |
| BLM18HD601SN1□ | 600ohm ±25% | 1200ohm (Typ.) | 100mA | 1.50ohm max. | -55 to +125°C |
| BLM18HD102SN1□ | 1000ohm ±25% | 1700ohm (Typ.) | 50mA | 1.80ohm max. | -55 to +125°C |
| BLM18HB121SN1□ | 120ohm ±25% | 500ohm ±40% | 200mA | 0.50ohm max. | -55 to +125°C |
| BLM18HB221SN1□ | 220ohm ±25% | 1100ohm ±40% | 100mA | 0.80ohm max. | -55 to +125°C |
| BLM18HB331SN1□ | 330ohm ±25% | 1600ohm ±40% | 50mA | 1.20ohm max. | -55 to +125°C |
| BLM18HK331SN1□ | 330ohm ±25% | 400ohm ±40% | 200mA | 0.50ohm max. | -55 to +125°C |
| BLM18HK471SN1□ | 470ohm ±25% | 600ohm ±40% | 200mA | 0.70ohm max. | -55 to +125°C |
| BLM18HK601SN1□ | 600ohm ±25% | 700ohm ±40% | 100mA | 0.90ohm max. | -55 to +125°C |
| BLM18HK102SN1□ | 1000ohm ±25% | 1200ohm ±40% | 50mA | 1.50ohm 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:

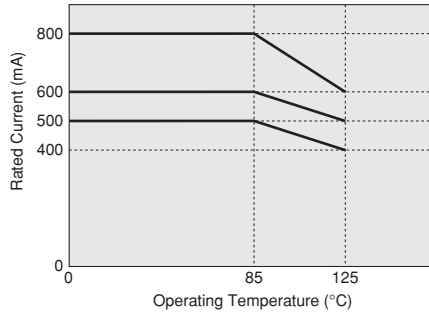
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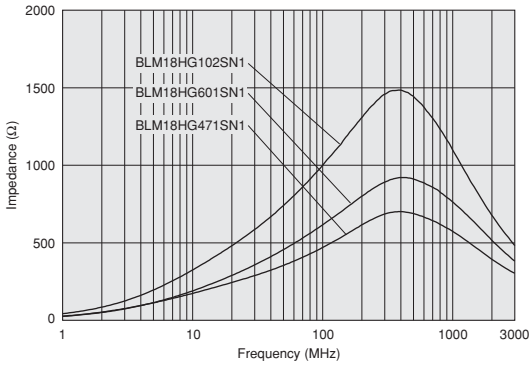
Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for BLM18HE series. Please apply the derating curve shown in chart according to the operating temperature.

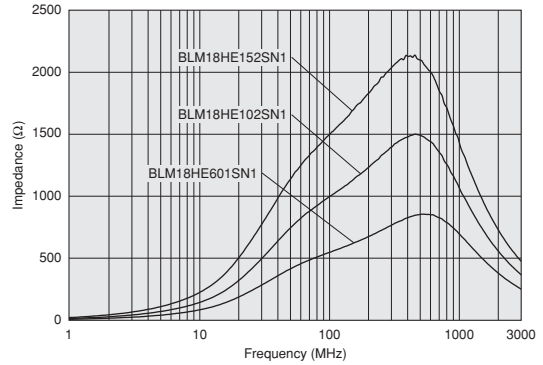
Derating of Rated Current



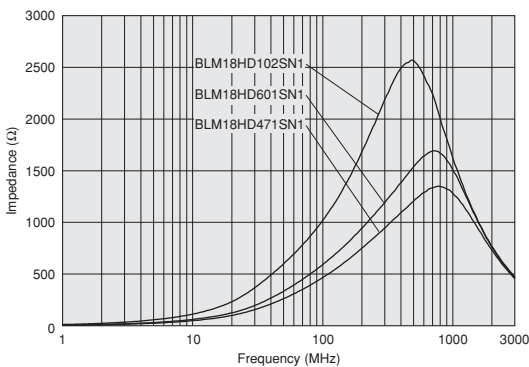
Impedance-Frequency Characteristics (Main Items) BLM18HG Series



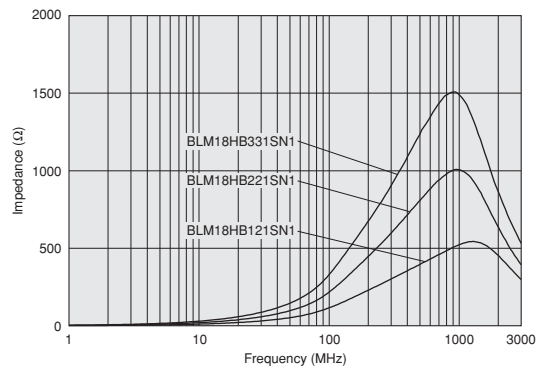
Impedance-Frequency Characteristics (Main Items) BLM18HE Series



Impedance-Frequency Characteristics (Main Items) BLM18HD Series



Impedance-Frequency Characteristics (Main Items) BLM18HB Series



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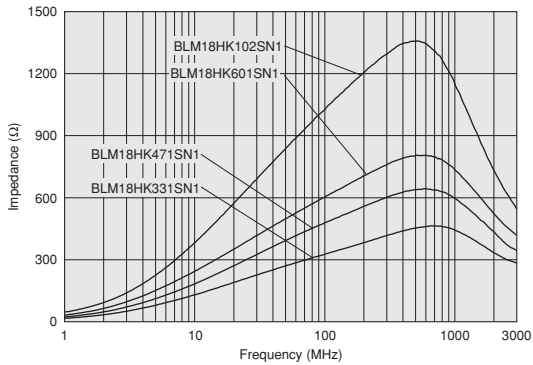
● This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

Note:

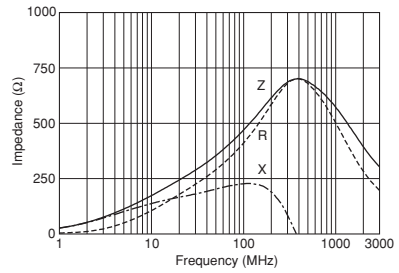
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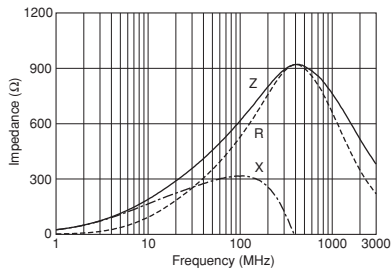
Impedance-Frequency Characteristics (Main Items)
BLM18HK Series



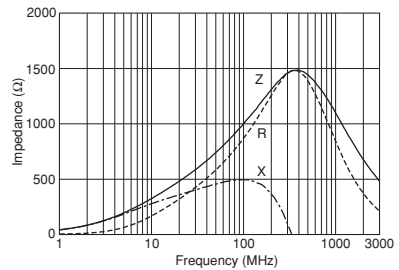
Impedance-Frequency Characteristics
BLM18HG471SN1



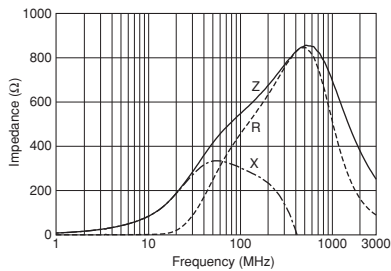
Impedance-Frequency Characteristics
BLM18HG601SN1



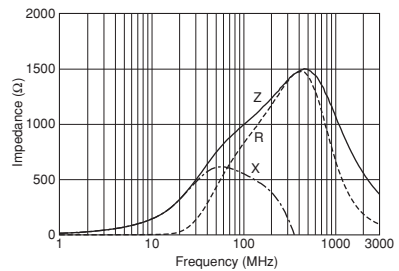
Impedance-Frequency Characteristics
BLM18HG102SN1



Impedance-Frequency Characteristics
BLM18HE601SN1



Impedance-Frequency Characteristics
BLM18HE102SN1



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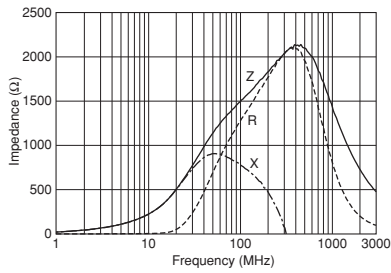
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Note:

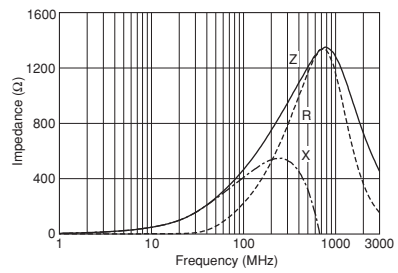
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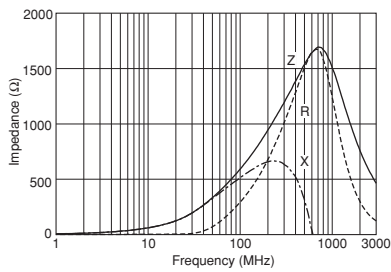
Impedance-Frequency Characteristics
BLM18HE152SN1



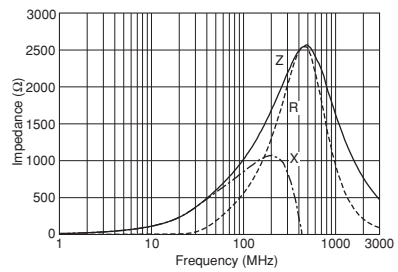
Impedance-Frequency Characteristics
BLM18HD471SN1



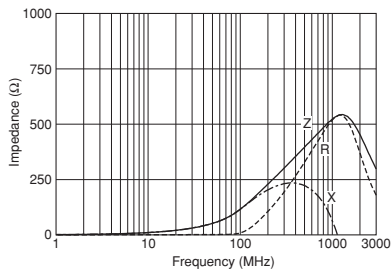
Impedance-Frequency Characteristics
BLM18HD601SN1



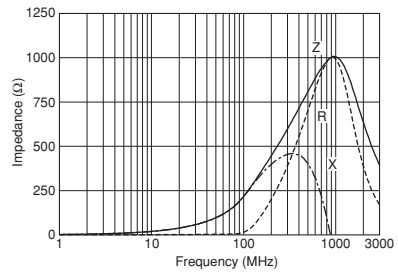
Impedance-Frequency Characteristics
BLM18HD102SN1



Impedance-Frequency Characteristics
BLM18HB121SN1



Impedance-Frequency Characteristics
BLM18HB221SN1



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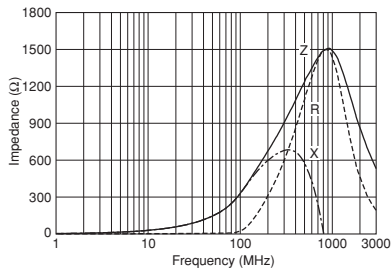
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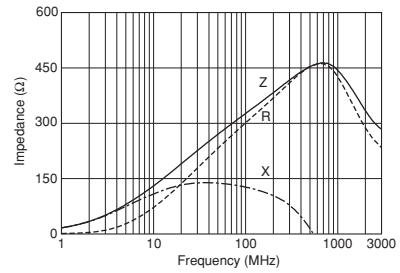
Impedance-Frequency Characteristics

BLM18HB331SN1



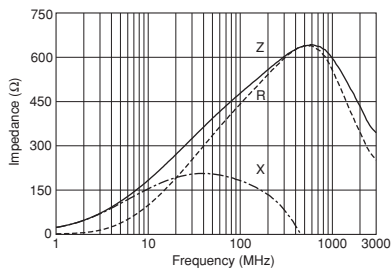
Impedance-Frequency Characteristics

BLM18HK331SN1



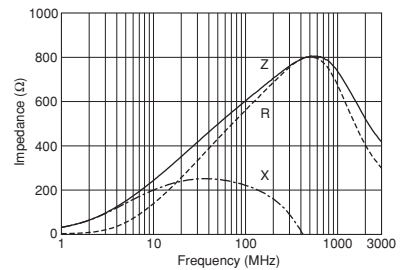
Impedance-Frequency Characteristics

BLM18HK471SN1



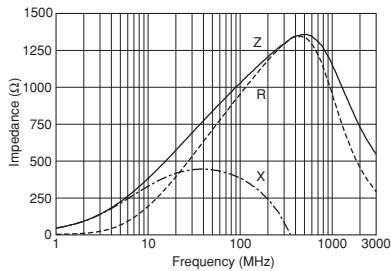
Impedance-Frequency Characteristics

BLM18HK601SN1



Impedance-Frequency Characteristics

BLM18HK102SN1




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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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