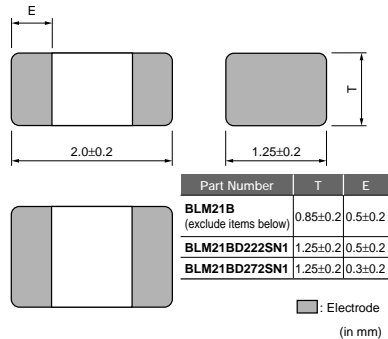


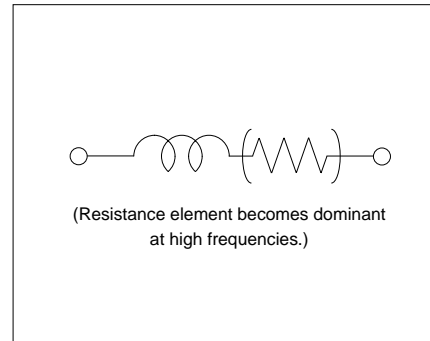
# EMIFIL® (Inductor type) Chip Ferrite Bead

## BLM21B Series (0805 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
B	Bulk(Bag)	1000

• Only applied to BLM21BD222SN1/21BD272SN1

Code	Packaging	Minimum Quantity
L	180mm Plastic Tape	3000
K	330mm Plastic 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
BLM21BD121SN1□	120ohm±25%	-	200mA	0.25ohm max	-55 to +125°C
BLM21BD151SN1□	150ohm±25%	-	200mA	0.25ohm max	-55 to +125°C
BLM21BD221SN1□	220ohm±25%	-	200mA	0.25ohm max	-55 to +125°C
BLM21BD331SN1□	330ohm±25%	-	200mA	0.30ohm max	-55 to +125°C
BLM21BD421SN1□	420ohm±25%	-	200mA	0.30ohm max	-55 to +125°C
BLM21BD471SN1□	470ohm±25%	-	200mA	0.35ohm max	-55 to +125°C
BLM21BD601SN1□	600ohm±25%	-	200mA	0.35ohm max	-55 to +125°C
BLM21BD751SN1□	750ohm±25%	-	200mA	0.40ohm max	-55 to +125°C
BLM21BD102SN1□	1000ohm±25%	-	200mA	0.40ohm max	-55 to +125°C
BLM21BD152SN1□	1500ohm±25%	-	200mA	0.45ohm max	-55 to +125°C
BLM21BD182SN1□	1800ohm±25%	-	200mA	0.50ohm max	-55 to +125°C
BLM21BD222TN1□	2200ohm±25%	-	200mA	0.60ohm max	-55 to +125°C
BLM21BD222SN1□	2250ohm(Typ.)	-	200mA	0.60ohm max	-55 to +125°C
BLM21BD272SN1□	2700ohm±25%	-	200mA	0.80ohm max	-55 to +125°C
BLM21BB050SN1□	5ohm±25%	-	500mA	0.07ohm max	-55 to +125°C
BLM21BB600SN1□	60ohm±25%	-	200mA	0.20ohm max	-55 to +125°C
BLM21BB750SN1□	75ohm±25%	-	200mA	0.25ohm max	-55 to +125°C
BLM21BB121SN1□	120ohm±25%	-	200mA	0.25ohm 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.

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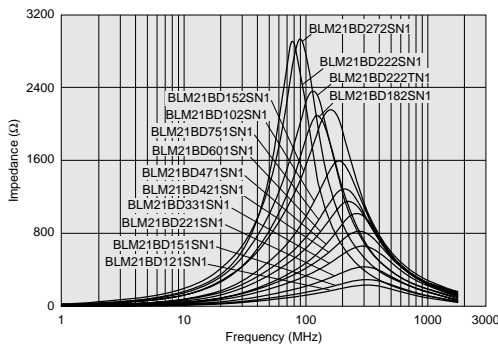
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Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
<b>BLM21BB151SN1</b> □	150ohm±25%	-	200mA	0.25ohm max	-55 to +125°C
<b>BLM21BB201SN1</b> □	200ohm±25%	-	200mA	0.35ohm max	-55 to +125°C
<b>BLM21BB221SN1</b> □	220ohm±25%	-	200mA	0.35ohm max	-55 to +125°C
<b>BLM21BB331SN1</b> □	330ohm±25%	-	200mA	0.40ohm max	-55 to +125°C
<b>BLM21BB471SN1</b> □	470ohm±25%	-	200mA	0.45ohm max	-55 to +125°C

Number of Circuits: 1

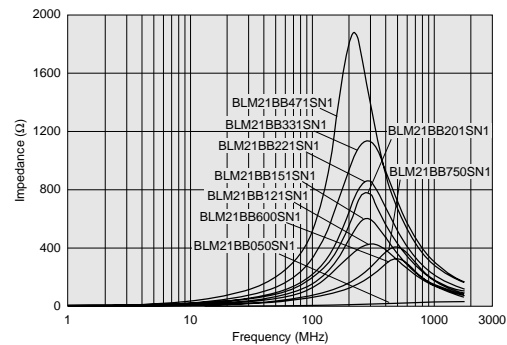
### ■ Impedance-Frequency Characteristics (Main Items)

**BLM21BD Series**



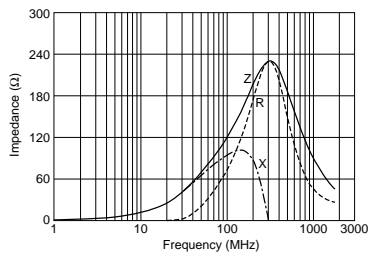
### ■ Impedance-Frequency Characteristics (Main Items)

**BLM21BB Series**



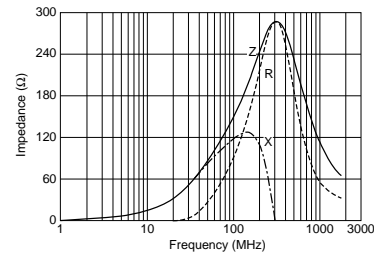
### ■ Impedance-Frequency Characteristics

**BLM21BD121SN1**



### ■ Impedance-Frequency Characteristics

**BLM21BD151SN1**



Continued on the following page. ↗

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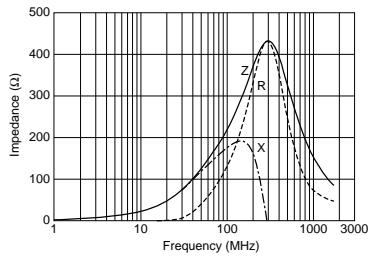
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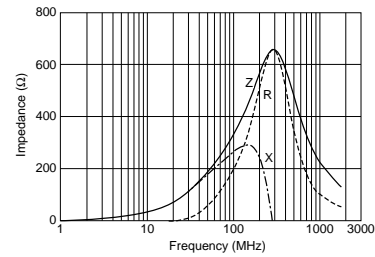
### Impedance-Frequency Characteristics

**BLM21BD221SN1**



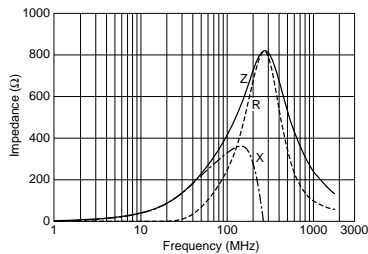
### Impedance-Frequency Characteristics

**BLM21BD331SN1**



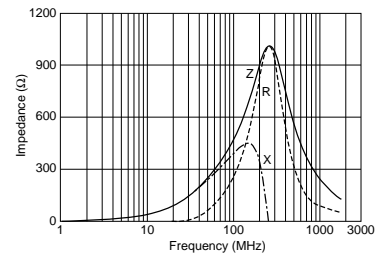
### Impedance-Frequency Characteristics

**BLM21BD421SN1**



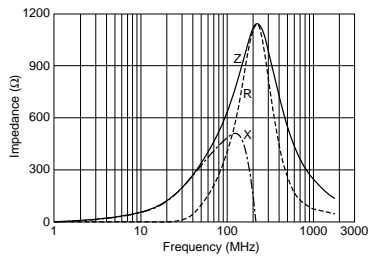
### Impedance-Frequency Characteristics

**BLM21BD471SN1**



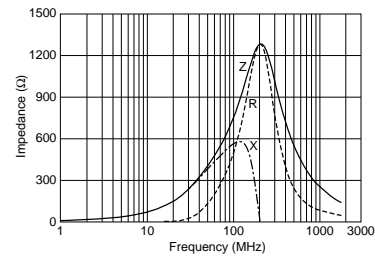
### Impedance-Frequency Characteristics

**BLM21BD601SN1**



### Impedance-Frequency Characteristics

**BLM21BD751SN1**



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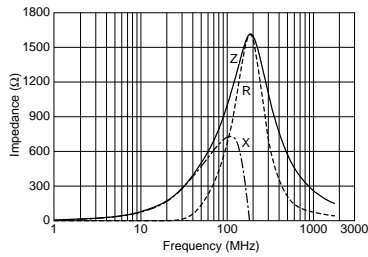
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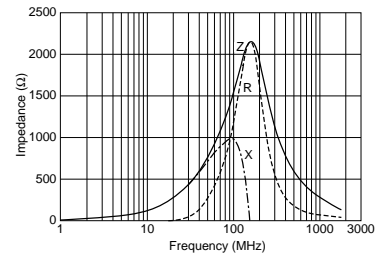
### Impedance-Frequency Characteristics

**BLM21BD102SN1**



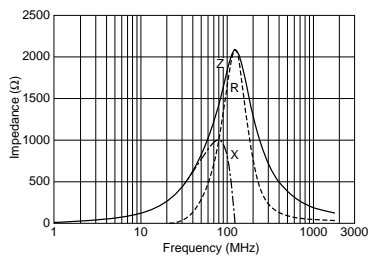
### Impedance-Frequency Characteristics

**BLM21BD152SN1**



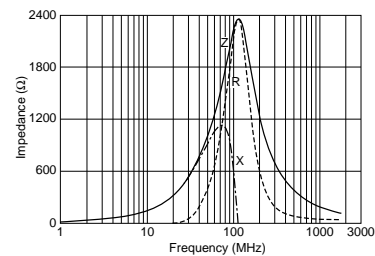
### Impedance-Frequency Characteristics

**BLM21BD182SN1**



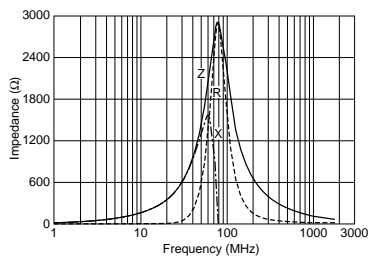
### Impedance-Frequency Characteristics

**BLM21BD222TN1**



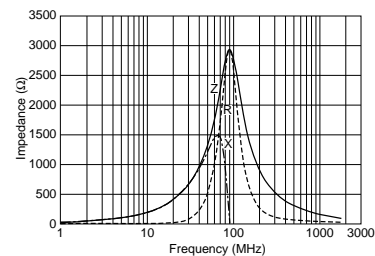
### Impedance-Frequency Characteristics

**BLM21BD222SN1**



### Impedance-Frequency Characteristics

**BLM21BD272SN1**



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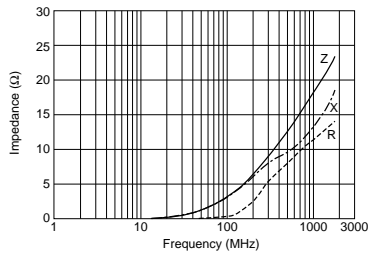
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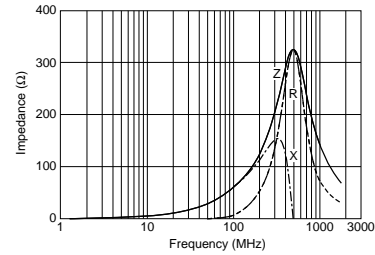
### Impedance-Frequency Characteristics

**BLM21BB050SN1**



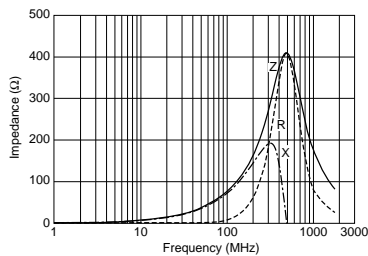
### Impedance-Frequency Characteristics

**BLM21BB600SN1**



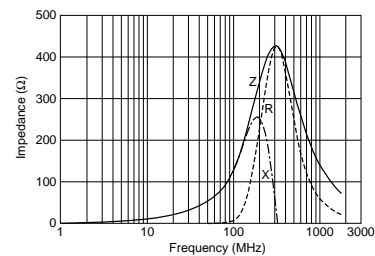
### Impedance-Frequency Characteristics

**BLM21BB750SN1**



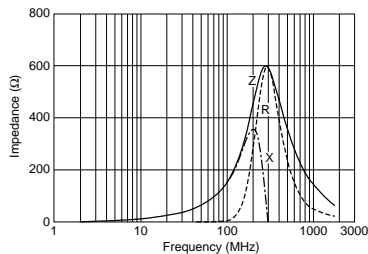
### Impedance-Frequency Characteristics

**BLM21BB121SN1**



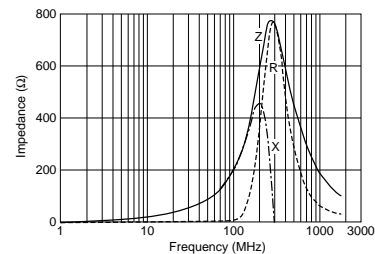
### Impedance-Frequency Characteristics

**BLM21BB151SN1**



### Impedance-Frequency Characteristics

**BLM21BB201SN1**



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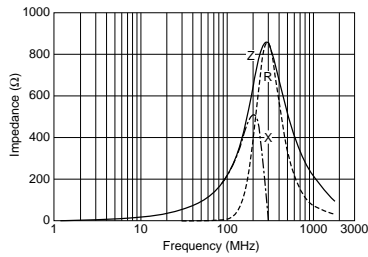
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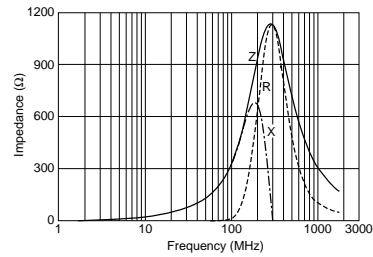
### ■ Impedance-Frequency Characteristics

**BLM21BB221SN1**



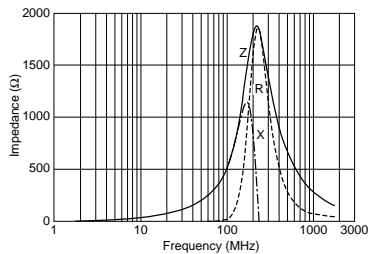
### ■ Impedance-Frequency Characteristics

**BLM21BB331SN1**



### ■ Impedance-Frequency Characteristics

**BLM21BB471SN1**



### ■ ⚠ 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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