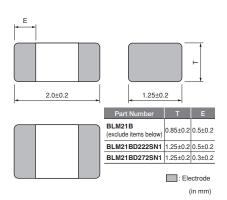
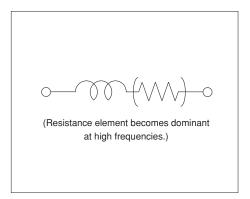
# EMIFIL® (Inductor type) Chip Ferrite Bead

## BLM21B Series (0805 Size)

#### Dimensions



#### **■** Equivalent Circuit



#### ■ Packaging

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

#### Only applied to BLM21BD222SN1/21BD272SN1

Code	Packaging	Minimum Quantity
L	180mm Plastic Tape	3000
K	330mm Plastic Tape	10000
В	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%	-	1000mA	0.02ohm max.	-55 to +125°C
BLM21BB600SN1□	60ohm ±25%	-	800mA	0.13ohm max.	-55 to +125°C
BLM21BB750SN1□	75ohm ±25%	-	700mA	0.16ohm max.	-55 to +125°C
BLM21BB121SN1□	120ohm ±25%	-	600mA	0.19ohm max.	-55 to +125°C
BLM21BB151SN1□	150ohm ±25%	-	600mA	0.21ohm max.	-55 to +125°C
BLM21BB201SN1□	200ohm ±25%	-	500mA	0.26ohm max.	-55 to +125°C

Number of Circuits: 1

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#### ⚠ Note

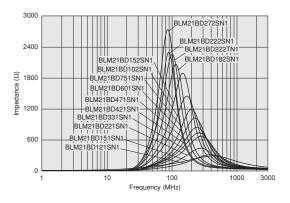
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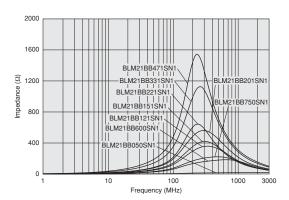
Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM21BB221SN1□	220ohm ±25%	-	500mA	0.26ohm max.	-55 to +125°C
BLM21BB331SN1□	330ohm ±25%	-	400mA	0.33ohm max.	-55 to +125°C
BLM21BB471SN1□	470ohm ±25%	-	400mA	0.40ohm max.	-55 to +125°C

Number of Circuits: 1

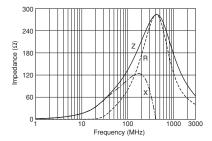
#### ■ Impedance-Frequency Characteristics (Main Items) **BLM21BD Series**



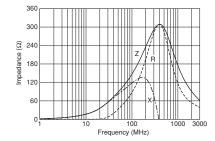
#### ■ Impedance-Frequency Characteristics (Main Items) **BLM21BB Series**



#### **■** Impedance-Frequency Characteristics BLM21BD121SN1



#### ■ Impedance-Frequency Characteristics BLM21BD151SN1

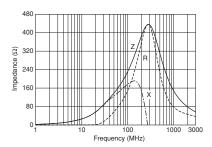


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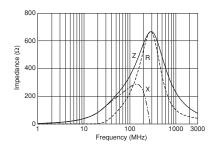
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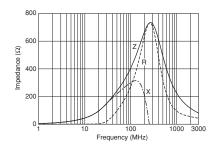
#### **■** Impedance-Frequency Characteristics BLM21BD221SN1



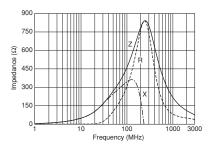
#### ■ Impedance-Frequency Characteristics BLM21BD331SN1



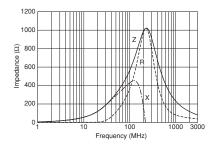
#### ■ Impedance-Frequency Characteristics BLM21BD421SN1



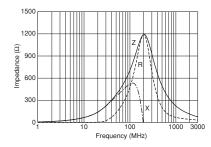
#### ■ Impedance-Frequency Characteristics BLM21BD471SN1



#### ■ Impedance-Frequency Characteristics BLM21BD601SN1



#### ■ Impedance-Frequency Characteristics BLM21BD751SN1



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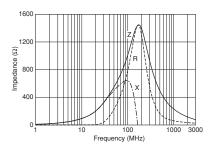


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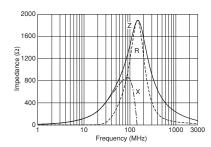
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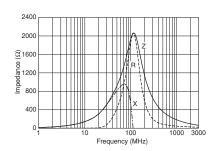
### **■** Impedance-Frequency Characteristics BLM21BD102SN1



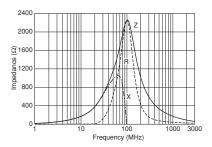
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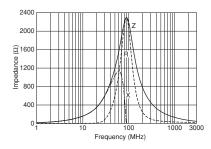
#### ■ Impedance-Frequency Characteristics BLM21BD182SN1



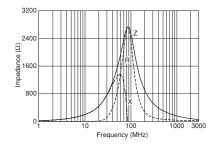
### ■ Impedance-Frequency Characteristics BLM21BD222TN1



#### ■ Impedance-Frequency Characteristics BLM21BD222SN1



#### ■ Impedance-Frequency Characteristics BLM21BD272SN1



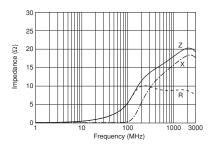
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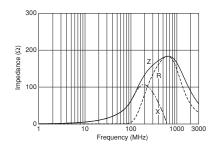
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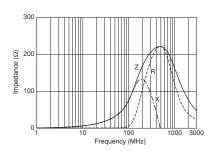
#### **■** Impedance-Frequency Characteristics BLM21BB050SN1



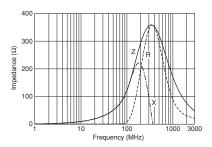
#### ■ Impedance-Frequency Characteristics BLM21BB600SN1



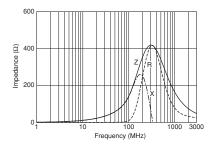
#### ■ Impedance-Frequency Characteristics BLM21BB750SN1



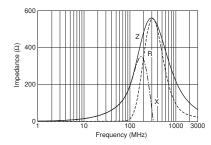
#### ■ Impedance-Frequency Characteristics BLM21BB121SN1



#### ■ Impedance-Frequency Characteristics BLM21BB151SN1



#### ■ Impedance-Frequency Characteristics **BLM21BB201SN1**



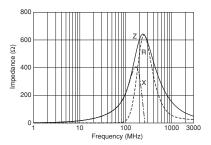
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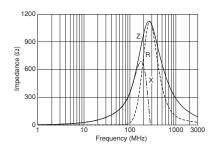
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#### **■** Impedance-Frequency Characteristics BLM21BB221SN1

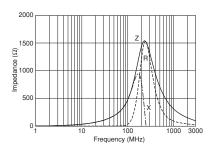


#### ■ Impedance-Frequency Characteristics BLM21BB331SN1



6

#### ■ Impedance-Frequency Characteristics **BLM21BB471SN1**



#### ■ ①Caution/Notice

#### 

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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