

# On-Board Type (DC) EMI Suppression Filters (EMIFIL®)



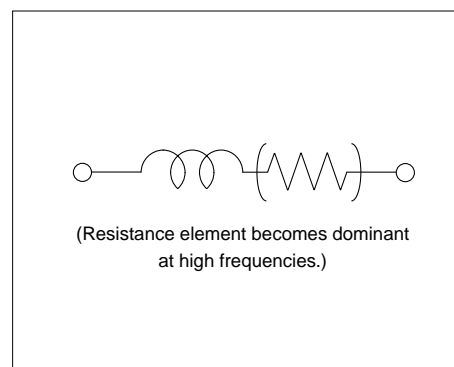
## Chip Ferrite Beads BLM15/BLM18/BLM21/BLM31/BLM41 Series

### ■ Features (BLM\_A Series)

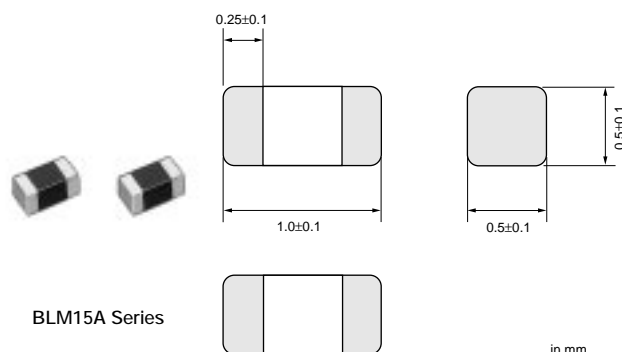
The chip ferrite bead BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequencies mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance. The BLM\_A series generates an impedance from the relatively low frequencies. Therefore the BLM\_A series is effective in noise suppression in the wide frequency range (30MHz-Several hundred MHz).

### ■ Equivalent Circuit



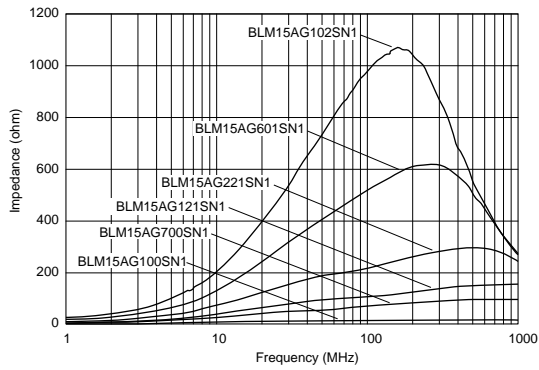
### BLM15A Series (0402 Size)



Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM15AG100SN1	10 (Typ.)	1000	0.05	-55 to 125
BLM15AG700SN1	70 (Typ.)	500	0.15	-55 to 125
BLM15AG121SN1	120 ±25%	500	0.25	-55 to 125
BLM15AG221SN1	220 ±25%	300	0.35	-55 to 125
BLM15AG601SN1	600 ±25%	300	0.6	-55 to 125
BLM15AG102SN1	1000 ±25%	200	1.0	-55 to 125

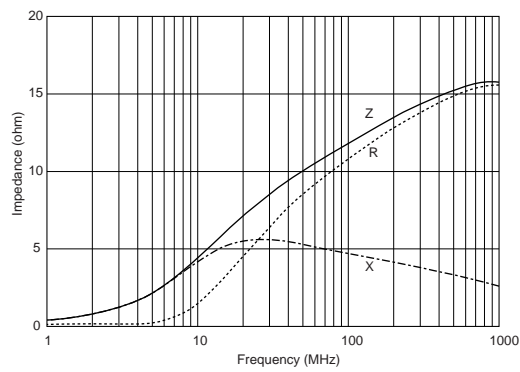
## ■ Impedance-Frequency (Typical)

BLM15A Series

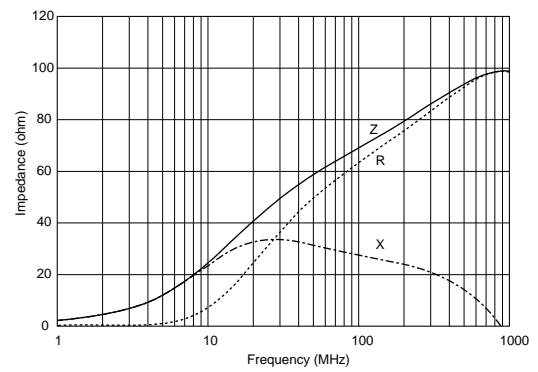


## ■ Impedance-Frequency Characteristics

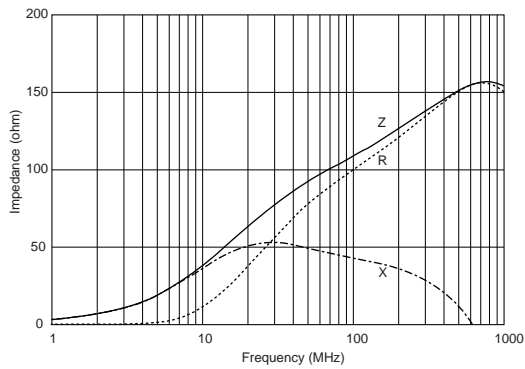
BLM15AG100SN1



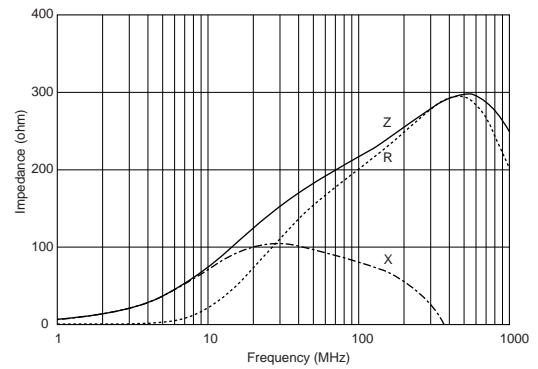
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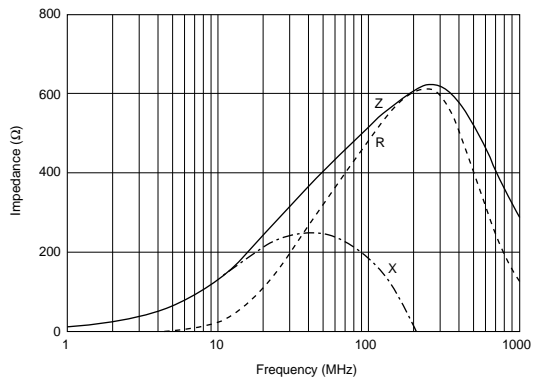
BLM15AG121SN1



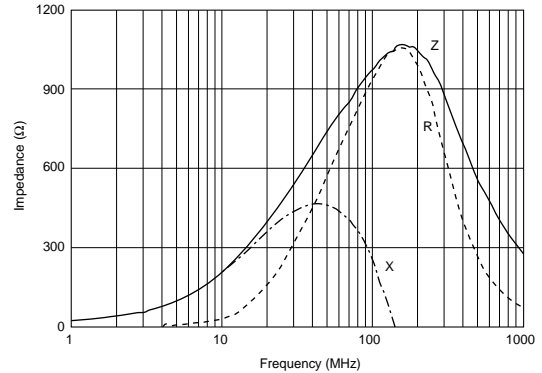
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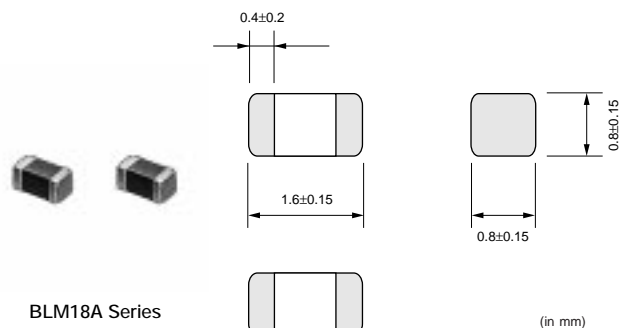
BLM15AG601SN1



BLM15AG102SN1

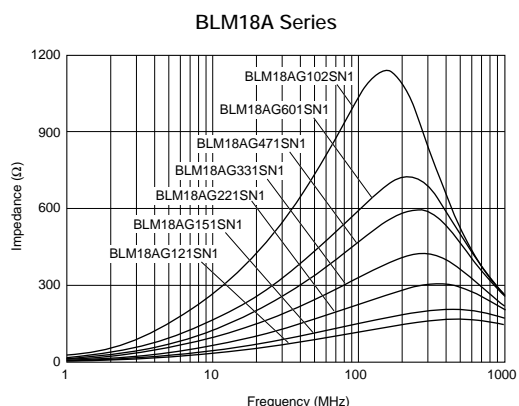


## BLM18A Series (0603 Size)

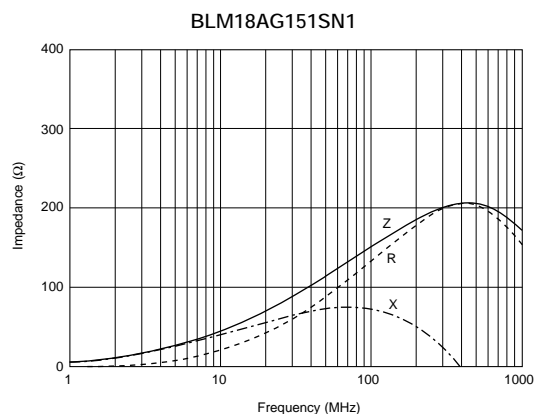
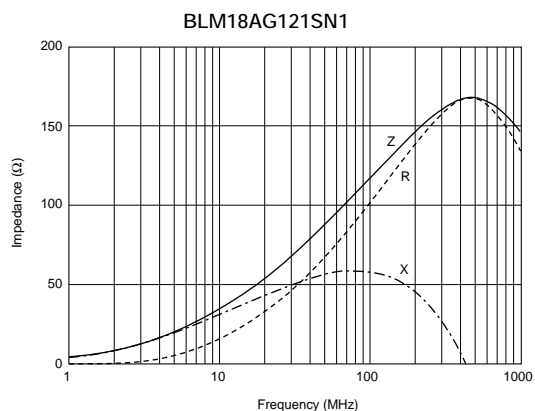


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
<b>BLM18AG121SN1</b>	120 ±25%	200	0.20	-55 to 125
<b>BLM18AG151SN1</b>	150 ±25%	200	0.25	-55 to 125
<b>BLM18AG221SN1</b>	220 ±25%	200	0.30	-55 to 125
<b>BLM18AG331SN1</b>	330 ±25%	200	0.45	-55 to 125
<b>BLM18AG471SN1</b>	470 ±25%	200	0.50	-55 to 125
<b>BLM18AG601SN1</b>	600 ±25%	200	0.50	-55 to 125
<b>BLM18AG102SN1</b>	1000 ±25%	100	0.70	-55 to 125

### ■ Impedance-Frequency (Typical)



### ■ Impedance-Frequency Characteristics



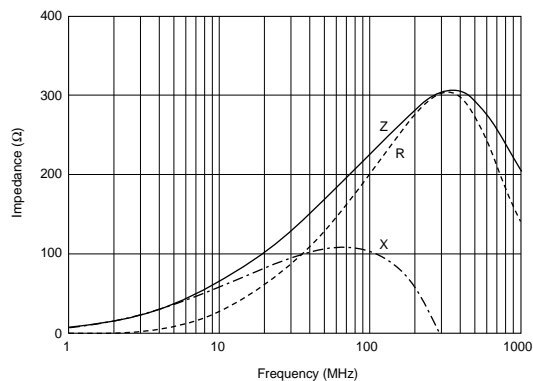
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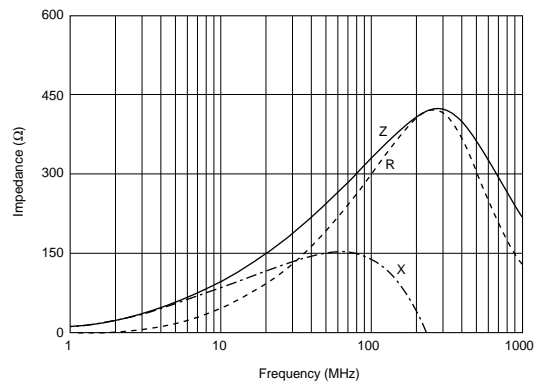
## ■ Impedance-Frequency Characteristics

1

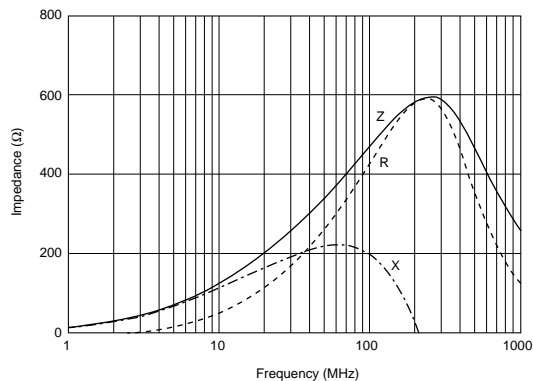
BLM18AG221SN1



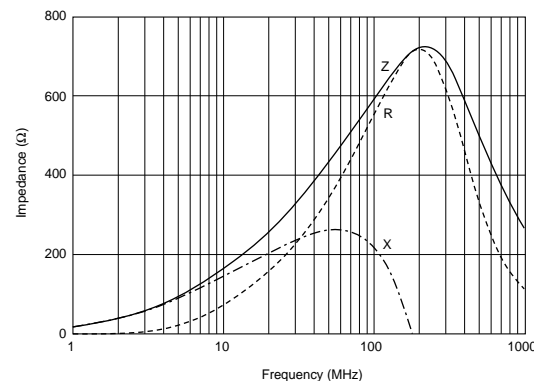
BLM18AG331SN1



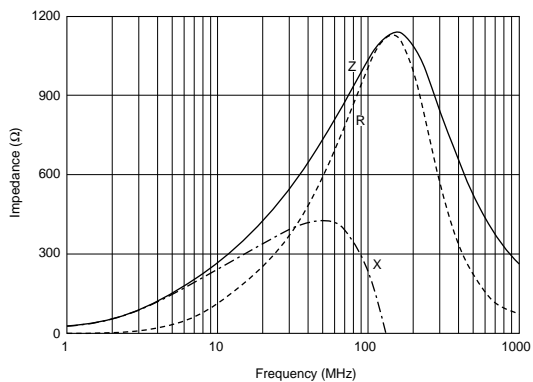
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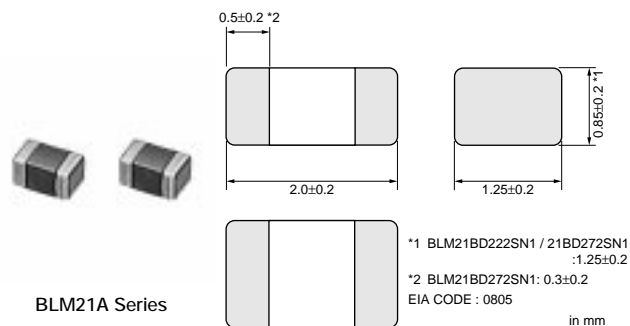
BLM18AG601SN1



BLM18AG102SN1

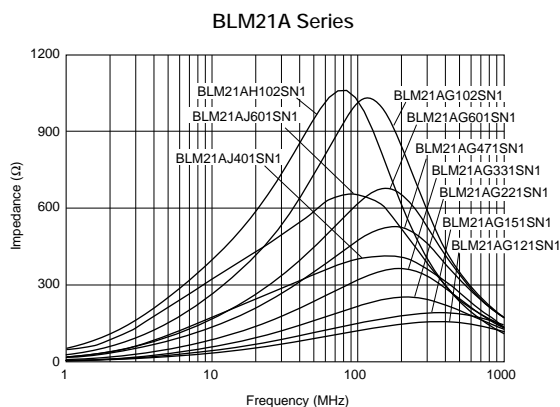


## BLM21A Series (0805 Size)

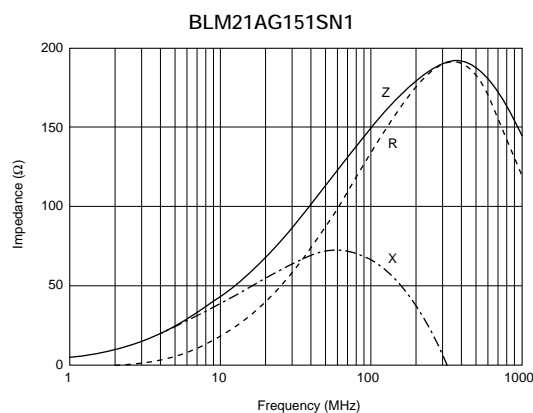
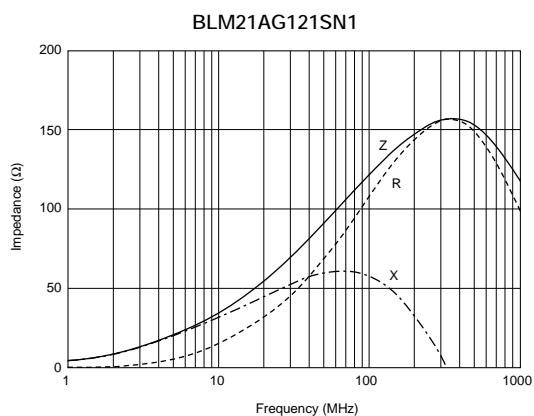


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM21AG121SN1	120 ±25%	200	0.15	-55 to 125
BLM21AG151SN1	150 ±25%	200	0.15	-55 to 125
BLM21AG221SN1	220 ±25%	200	0.20	-55 to 125
BLM21AG331SN1	330 ±25%	200	0.25	-55 to 125
BLM21AJ401SN1	400 ±25%	200	0.85	-55 to 125
BLM21AG471SN1	470 ±25%	200	0.25	-55 to 125
BLM21AG601SN1	600 ±25%	200	0.30	-55 to 125
BLM21AJ601SN1	600 ±25%	200	1.10	-55 to 125
BLM21AG102SN1	1000 ±25%	200	0.45	-55 to 125
BLM21AH102SN1	1000 ±25%	200	0.45	-55 to 85

### ■ Impedance-Frequency (Typical)



### ■ Impedance-Frequency Characteristics



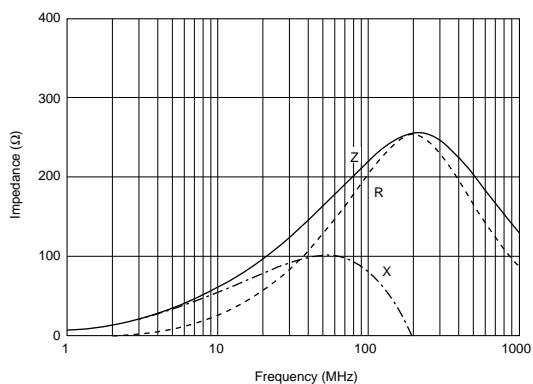
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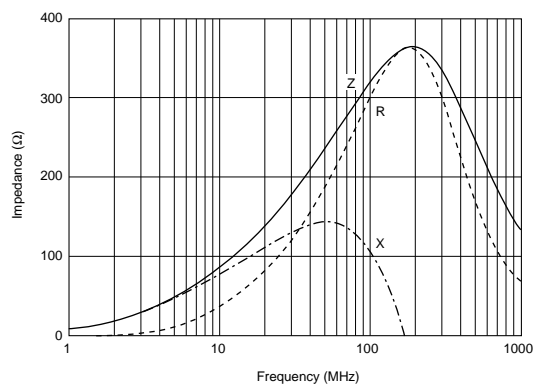
## ■ Impedance-Frequency Characteristics

1

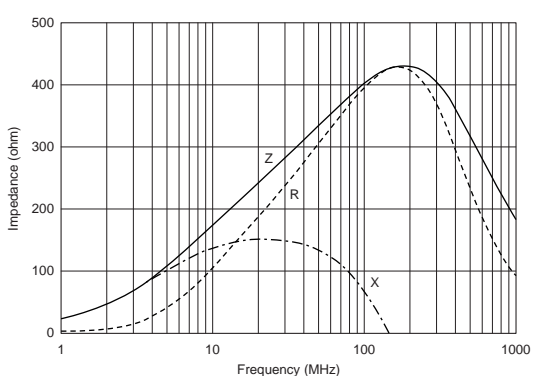
BLM21AG221SN1



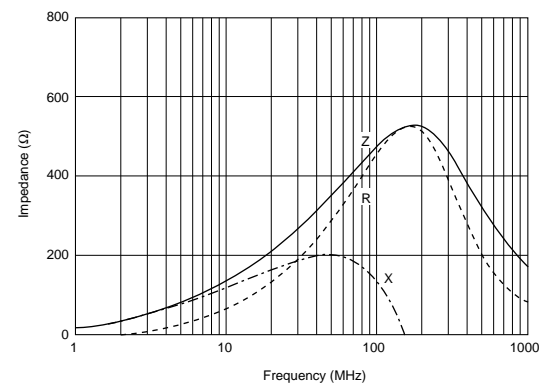
BLM21AG331SN1



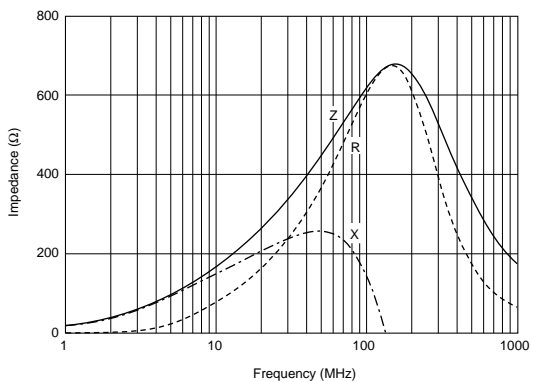
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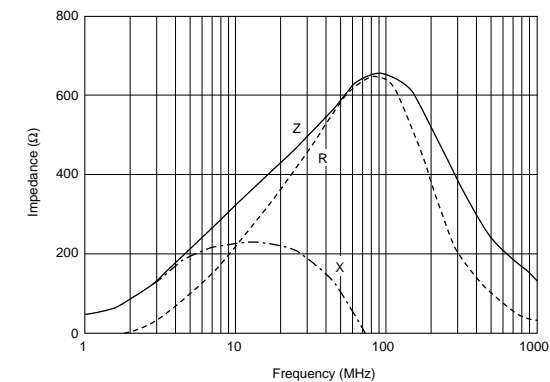
BLM21AG471SN1



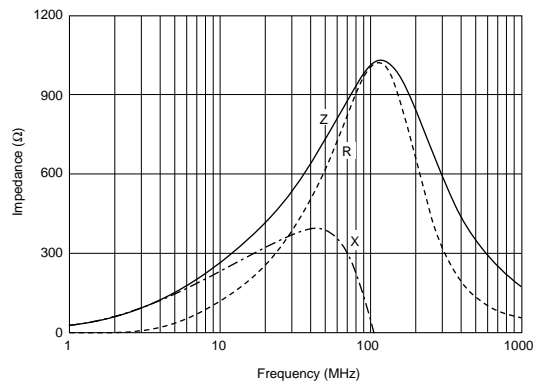
BLM21AG601SN1



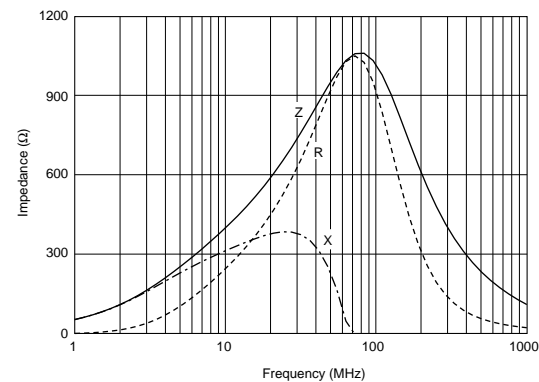
BLM21AJ601SN1



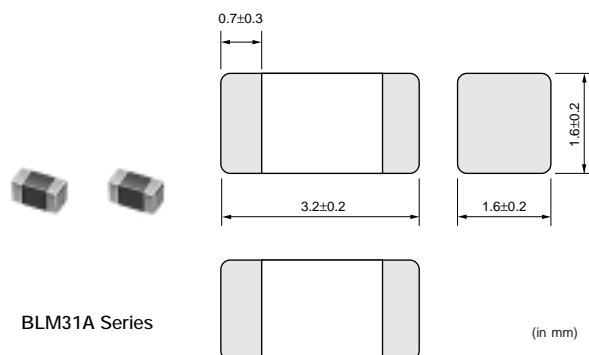
BLM21AG102SN1



BLM21AH102SN1

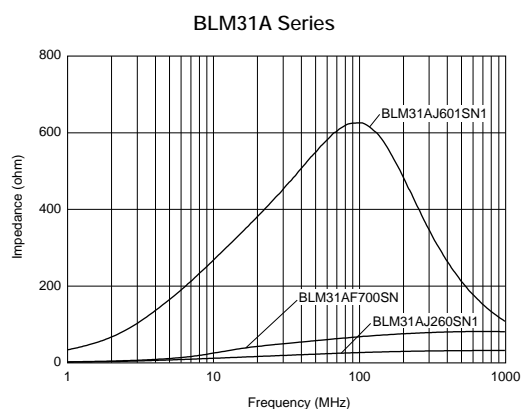


## BLM31A Series (1206 Size)

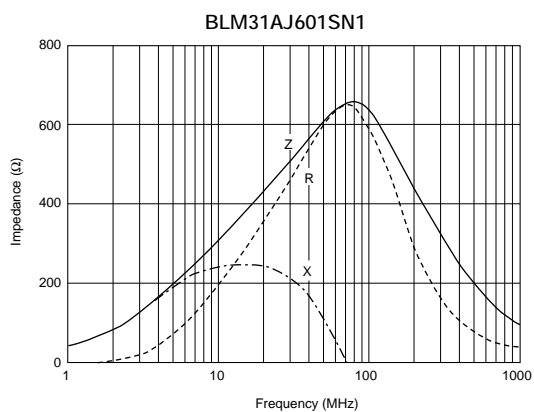
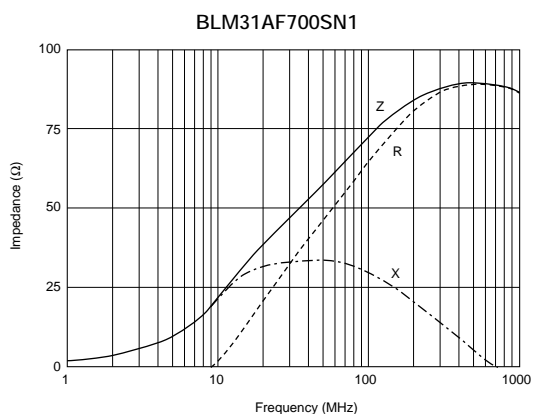
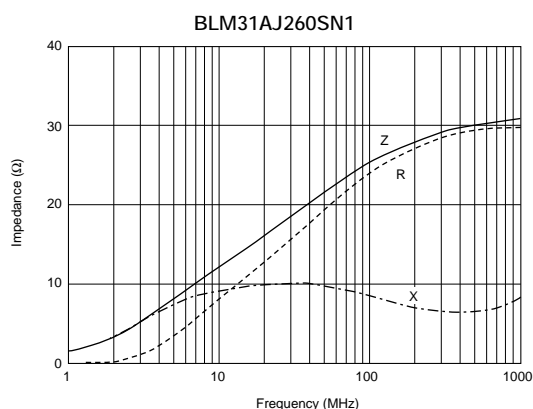


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM31AJ260SN1	26 ±25%	500	0.05	-55 to 125
BLM31AF700SN1	70 ±25%	200	0.15	-55 to 125
BLM31AJ601SN1	600 ±25%	200	0.90	-55 to 125

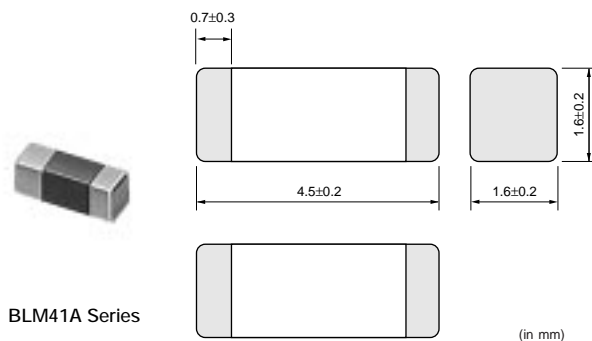
### ■ Impedance-Frequency (Typical)



### ■ Impedance-Frequency Characteristics

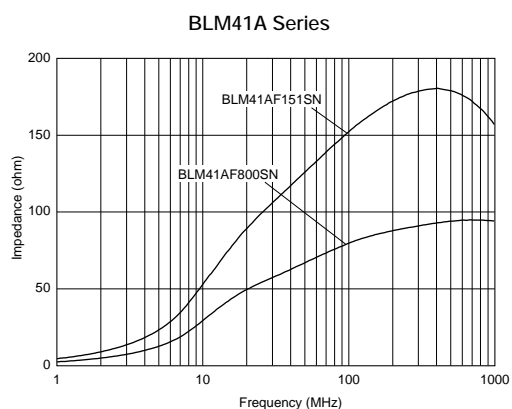


## BLM41A Series (1806 Size)

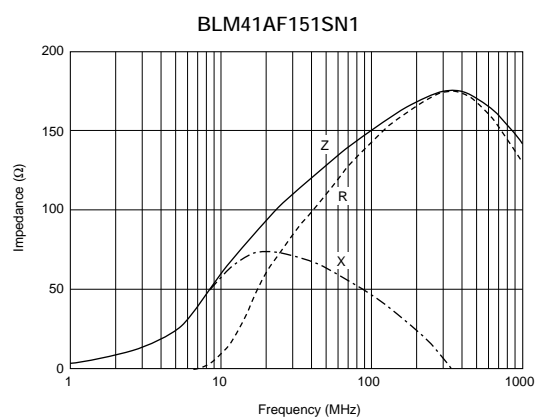
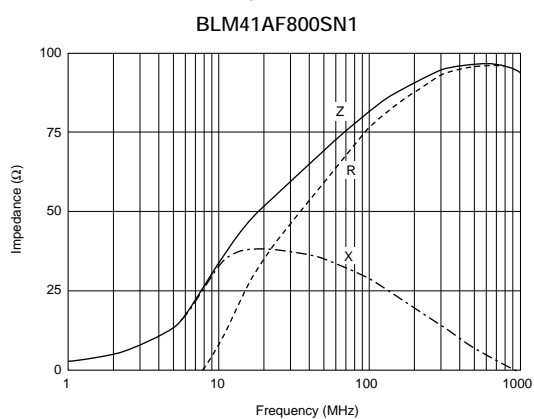


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM41AF800SN1	80 ±25%	500	0.10	-55 to 125
BLM41AF151SN1	150 ±25%	200	0.50	-55 to 125

### ■ Impedance-Frequency (Typical)



### ■ Impedance-Frequency Characteristics



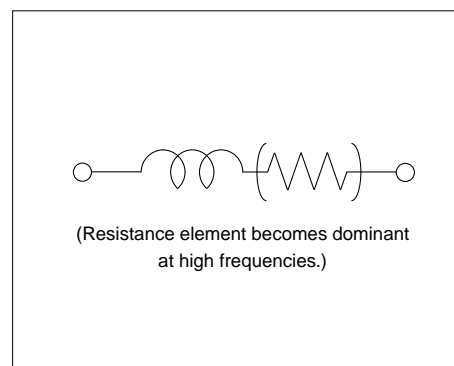


## ■ Features (BLM\_B Series)

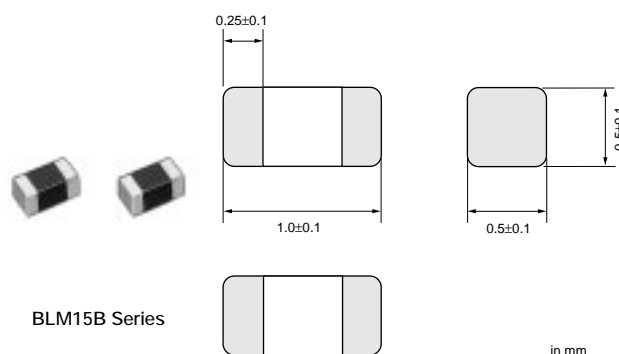
The chip ferrite bead BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequencies mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance. The BLM\_B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics. Various impedances are available to match signal frequency.

## ■ Equivalent Circuit

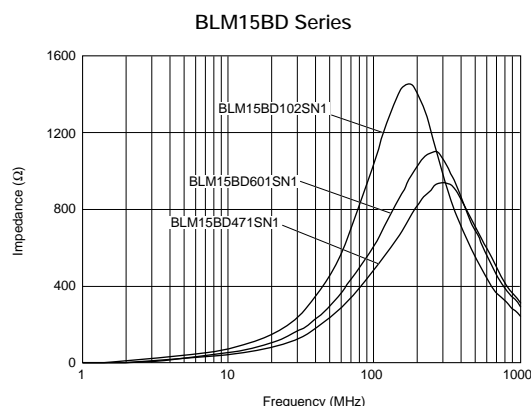
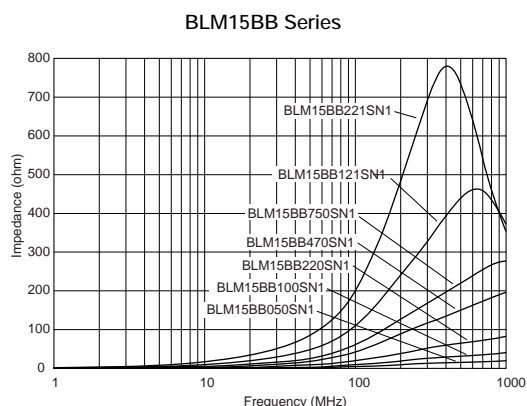


## BLM15B Series (0402 Size)



Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM15BB050SN1	5 ±25%	500	0.08	-55 to 125
BLM15BB100SN1	10 ±25%	300	0.10	-55 to 125
BLM15BB220SN1	22 ±25%	300	0.20	-55 to 125
BLM15BB470SN1	47 ±25%	300	0.35	-55 to 125
BLM15BB750SN1	75 ±25%	300	0.40	-55 to 125
BLM15BB121SN1	120 ±25%	300	0.55	-55 to 125
BLM15BB221SN1	220 ±25%	200	0.80	-55 to 125
BLM15BD471SN1	470 ±25%	200	0.60	-55 to 125
BLM15BD601SN1	600 ±25%	200	0.65	-55 to 125
BLM15BD102SN1	1000 ±25%	200	0.90	-55 to 125

## ■ Impedance-Frequency (Typical)

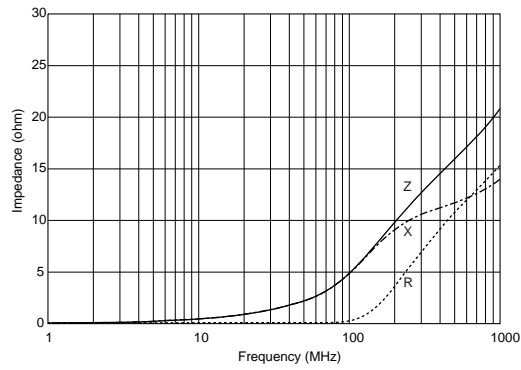


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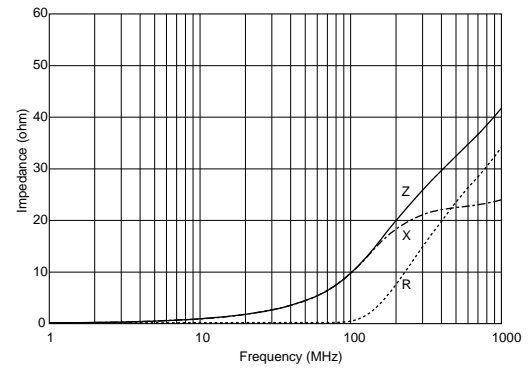
## ■ Impedance-Frequency Characteristics

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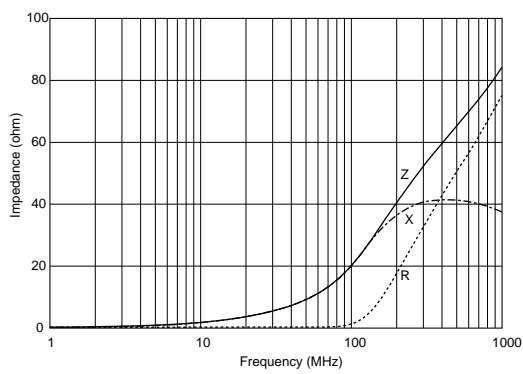
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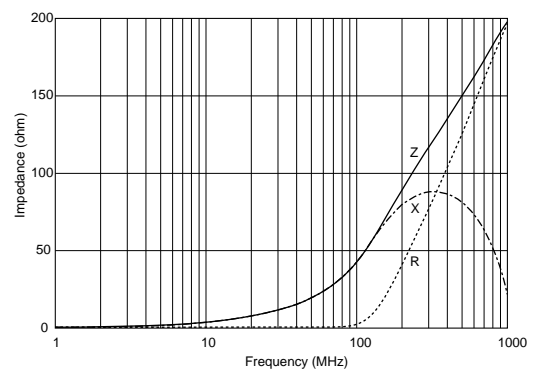
BLM15BB100SN1



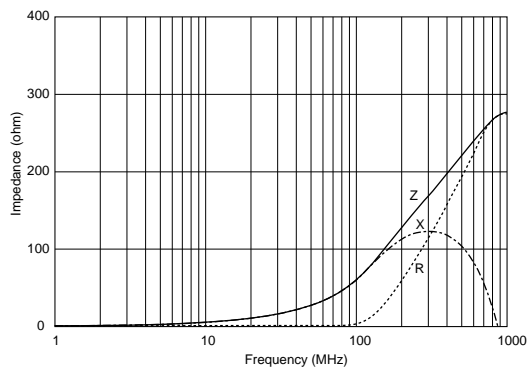
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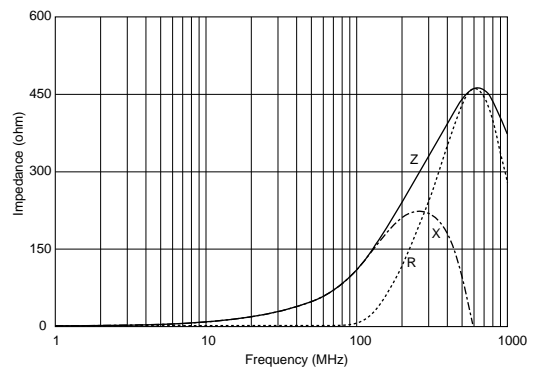
BLM15BB470SN1



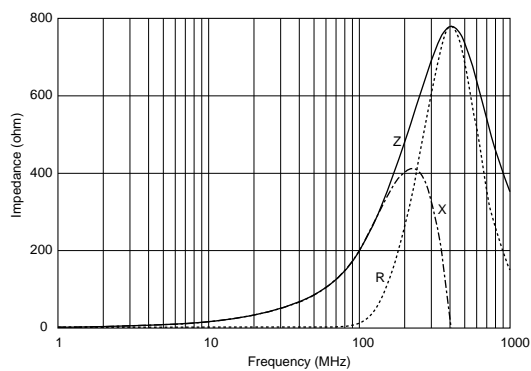
BLM15BB750SN1



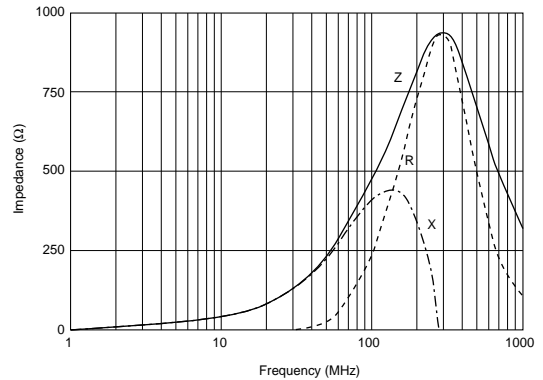
BLM15BB121SN1



BLM15BB221SN1



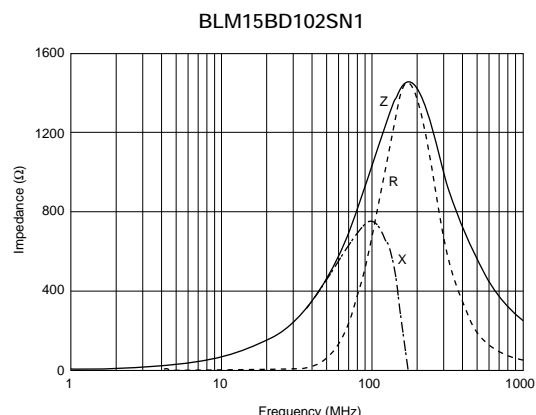
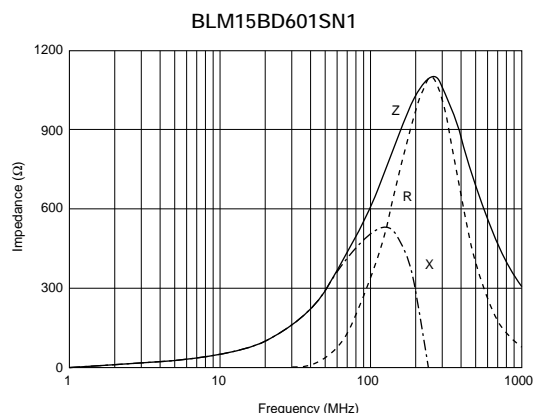
BLM15BD471SN1



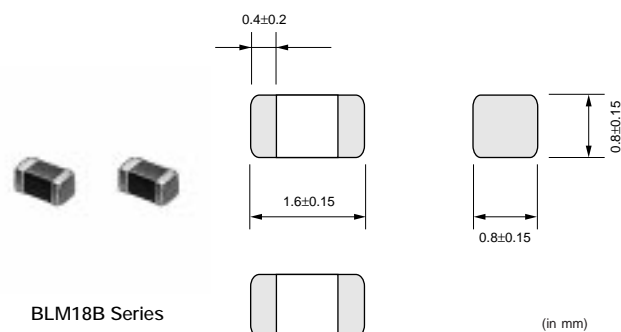
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## ■ Impedance-Frequency Characteristics



### BLM18B Series (0603 Size)



Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM18BA050SN1	5 ±25%	500	0.20	-55 to 125
BLM18BB050SN1	5 ±25%	700	0.10	-55 to 125
BLM18BA100SN1	10 ±25%	500	0.25	-55 to 125
BLM18BB100SN1	10 ±25%	500	0.15	-55 to 125
BLM18BA220SN1	22 ±25%	500	0.35	-55 to 125
BLM18BB220SN1	22 ±25%	500	0.25	-55 to 125
BLM18BA470SN1	47 ±25%	300	0.55	-55 to 125
BLM18BB470SN1	47 ±25%	500	0.30	-55 to 125
BLM18BB600SN1	60 ±25%	200	0.35	-55 to 125
BLM18BA750SN1	75 ±25%	300	0.70	-55 to 125
BLM18BB750SN1	75 ±25%	200	0.35	-55 to 125
BLM18BA121SN1	120 ±25%	200	0.90	-55 to 125
BLM18BB121SN1	120 ±25%	200	0.50	-55 to 125
BLM18BD121SN1	120 ±25%	200	0.40	-55 to 125
BLM18BB141SN1	140 ±25%	200	0.55	-55 to 125
BLM18BB151SN1	150 ±25%	200	0.55	-55 to 125
BLM18BD151SN1	150 ±25%	200	0.40	-55 to 125
BLM18BB221SN1	220 ±25%	200	0.65	-55 to 125
BLM18BD221SN1	220 ±25%	200	0.45	-55 to 125
BLM18BB331SN1	330 ±25%	200	0.75	-55 to 125
BLM18BD331SN1	330 ±25%	200	0.50	-55 to 125
BLM18BD421SN1	420 ±25%	200	0.55	-55 to 125
BLM18BB471SN1	470 ±25%	50	1.00	-55 to 125
BLM18BD471SN1	470 ±25%	200	0.55	-55 to 125
BLM18BD601SN1	600 ±25%	200	0.65	-55 to 125
BLM18BD102SN1	1000 ±25%	100	0.85	-55 to 125
BLM18BD152SN1	1500 ±25%	50	1.20	-55 to 125
BLM18BD182SN1	1800 ±25%	50	1.50	-55 to 125

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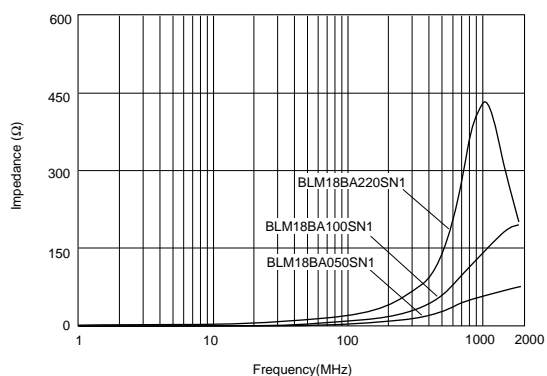
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Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
<b>BLM18BD222SN1</b>	2200 ±25%	50	1.50	-55 to 125
<b>BLM18BD252SN1</b>	2500 ±25%	50	1.50	-55 to 125

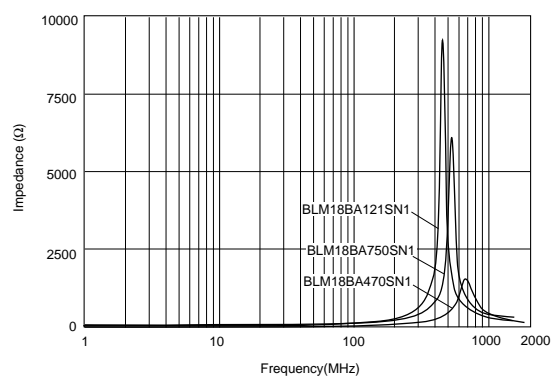
Rated current is 6A for taping type.

## ■ Impedance-Frequency (Typical)

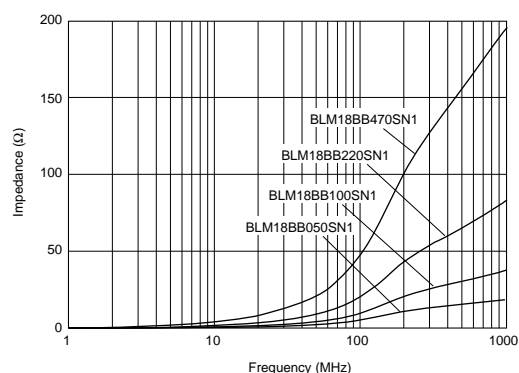
BLM18BA Series



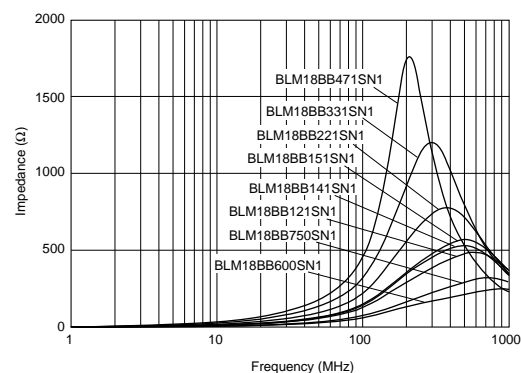
BLM18BA Series



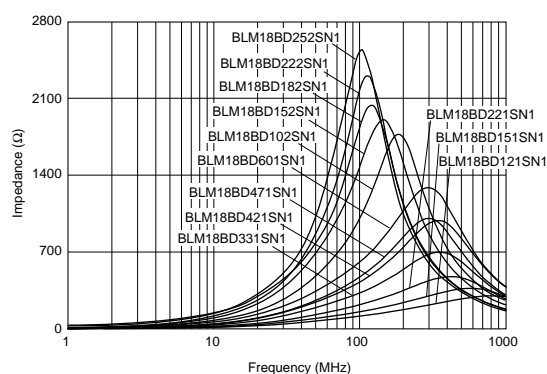
BLM18BB Series



BLM18BB Series

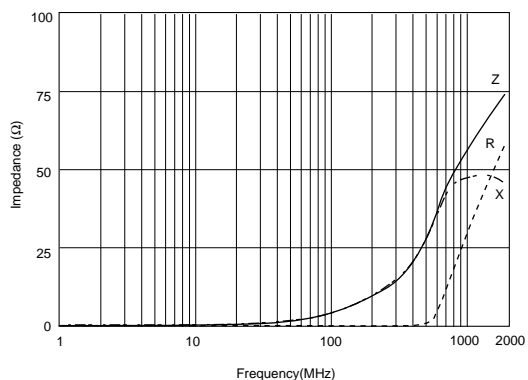


BLM18BD Series

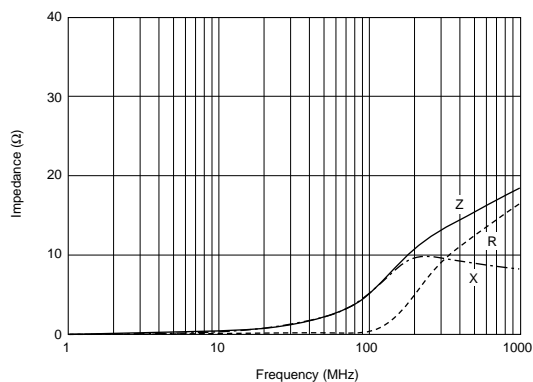


## ■ Impedance-Frequency Characteristics

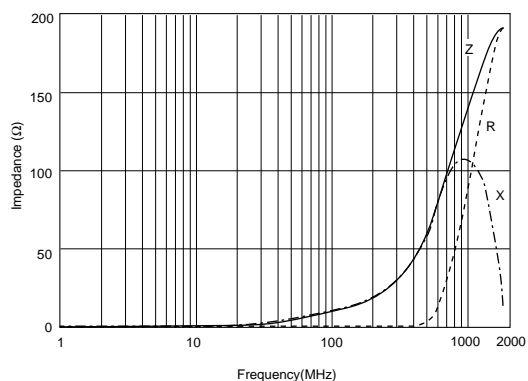
BLM18BA050SN1



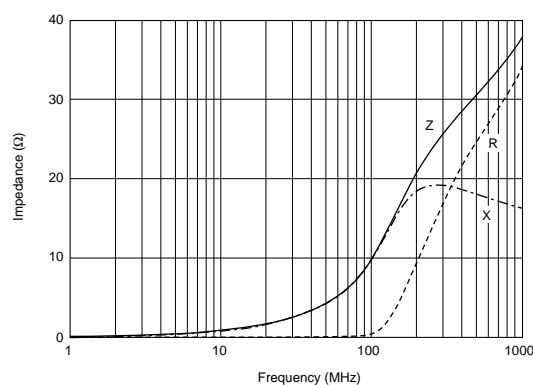
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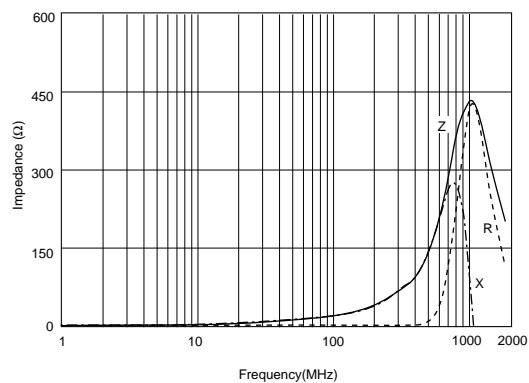
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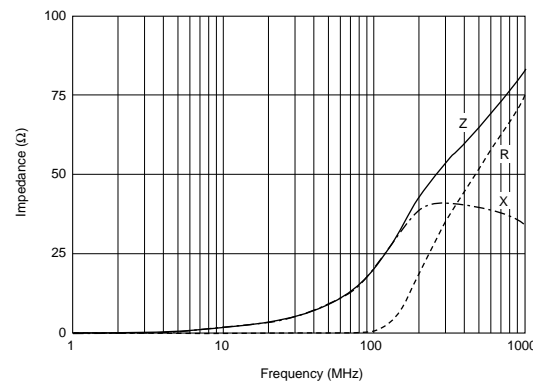
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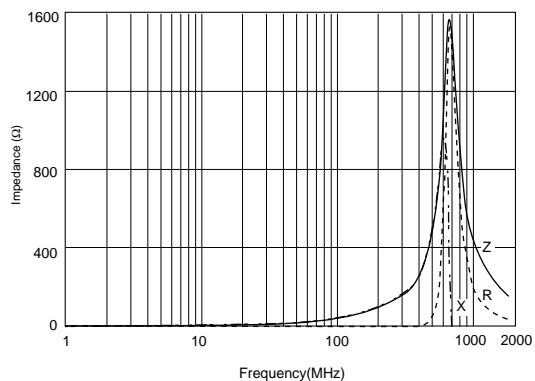
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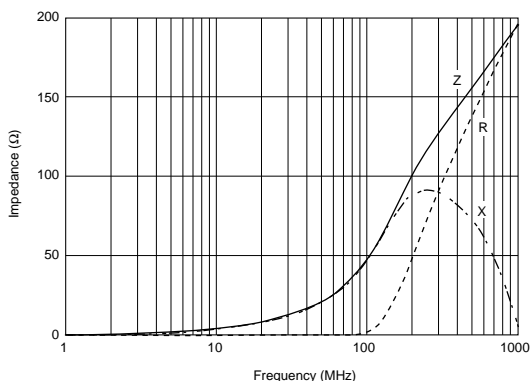
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BLM18BA470SN1



BLM18BB470SN1

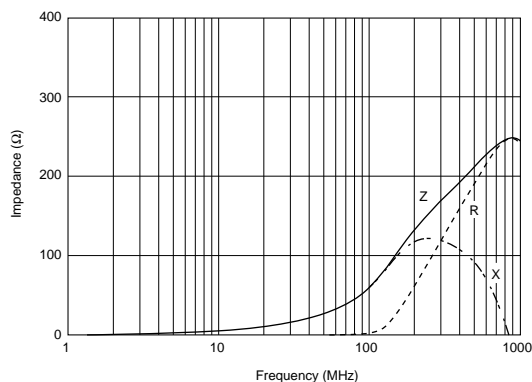


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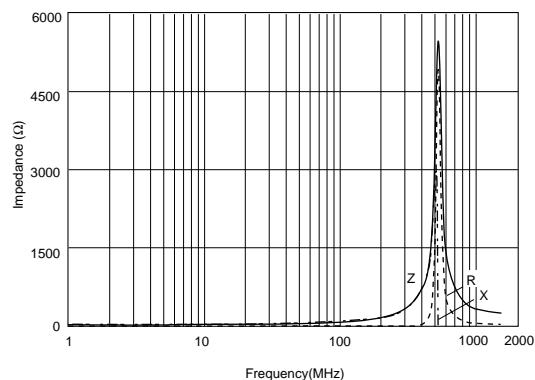
## Impedance-Frequency Characteristics

1

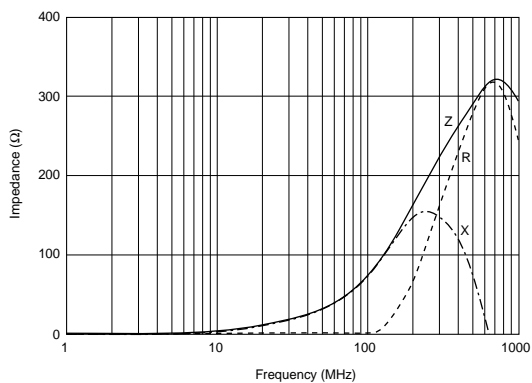
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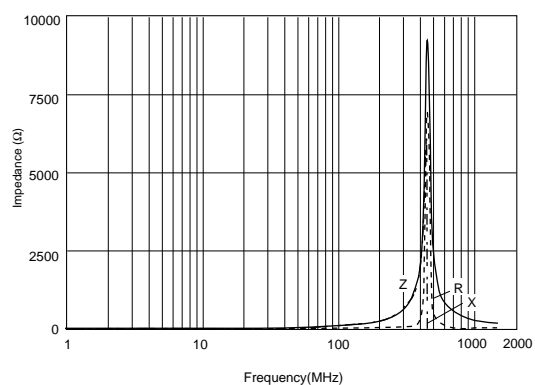
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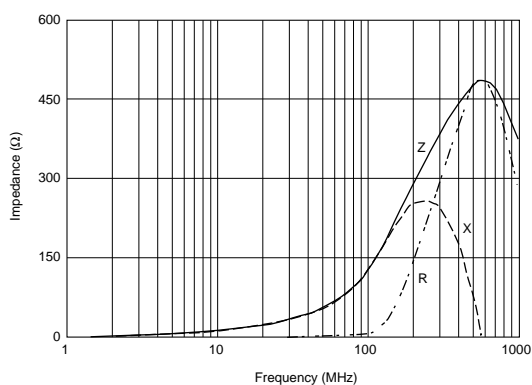
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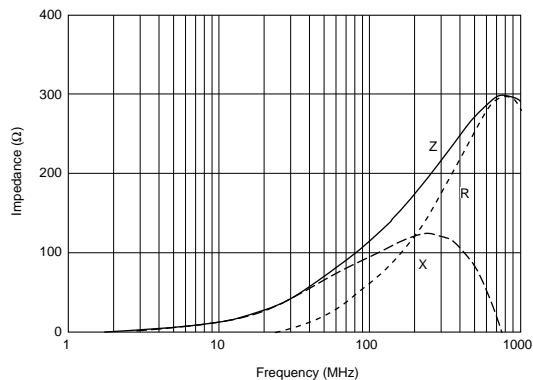
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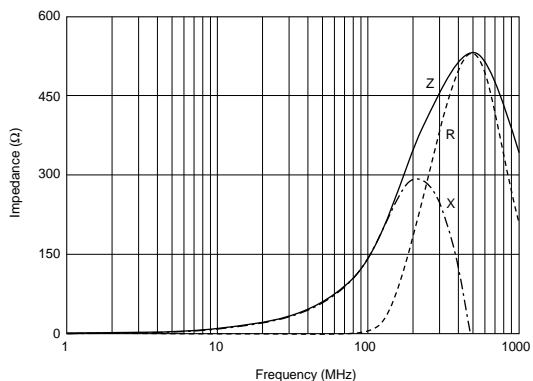
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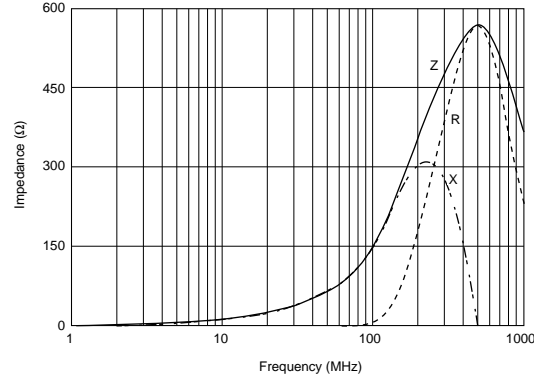
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BLM18BB141SN1



BLM18BB151SN1

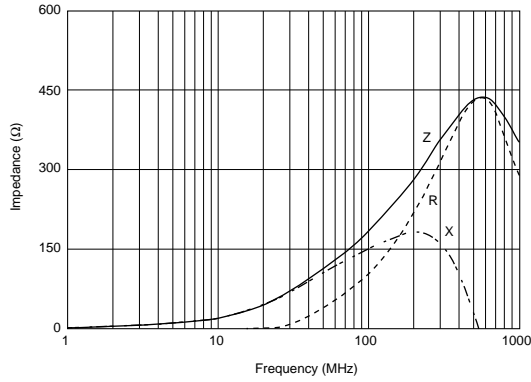


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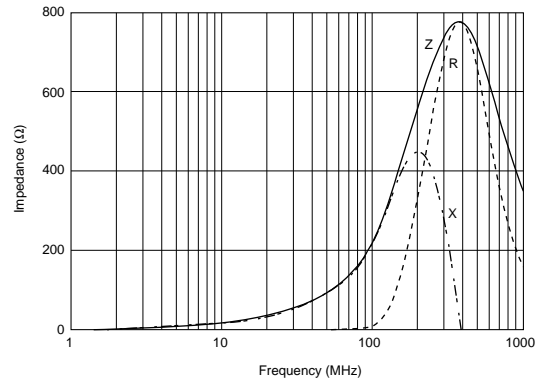
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## ■ Impedance-Frequency Characteristics

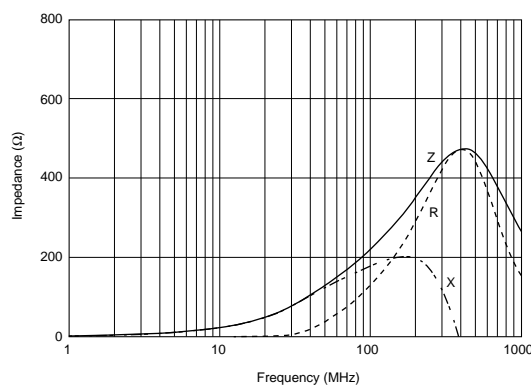
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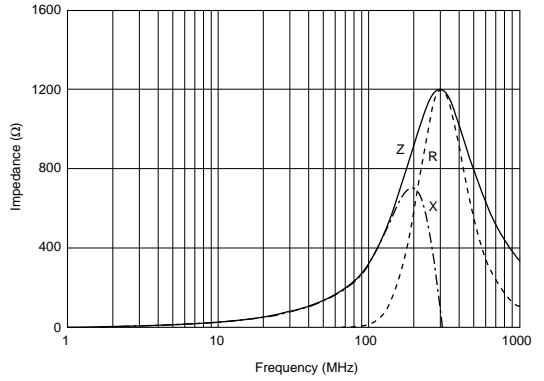
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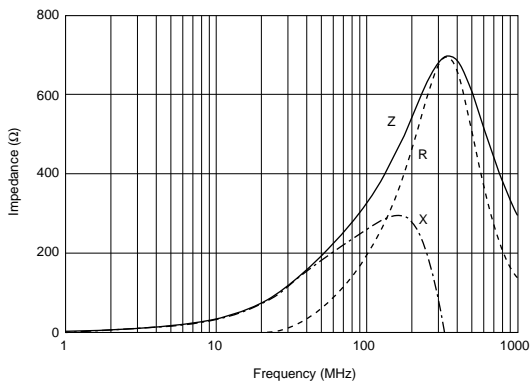
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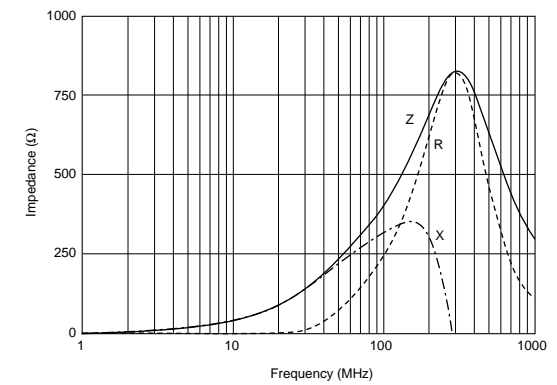
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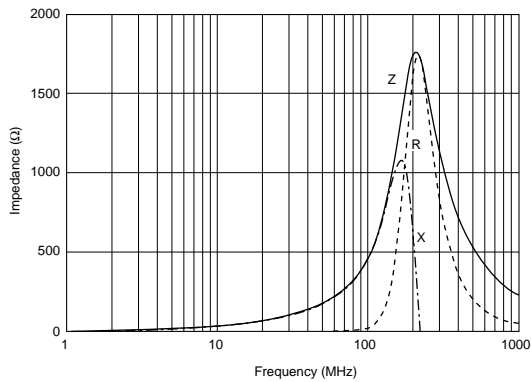
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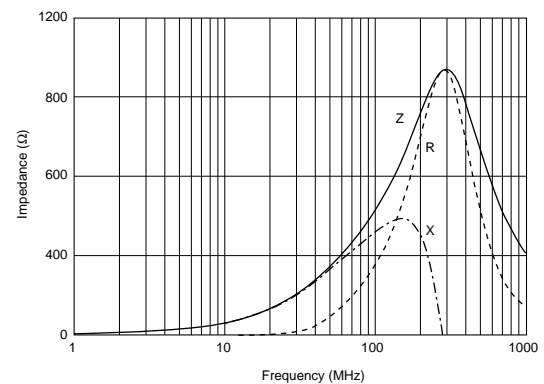
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BLM18BB471SN1



BLM18BD471SN1



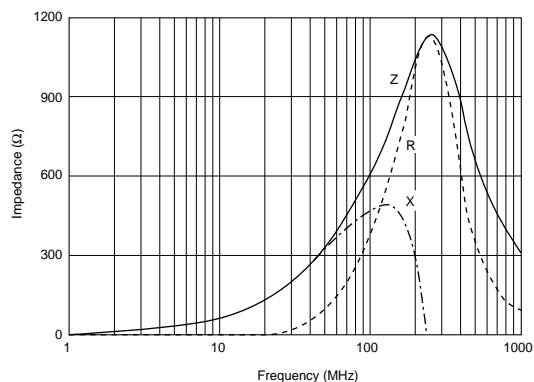
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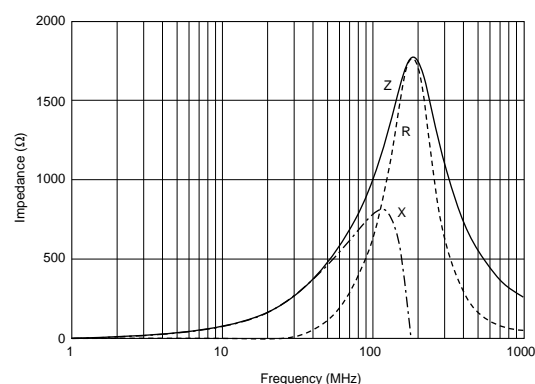
## ■ Impedance-Frequency Characteristics

1

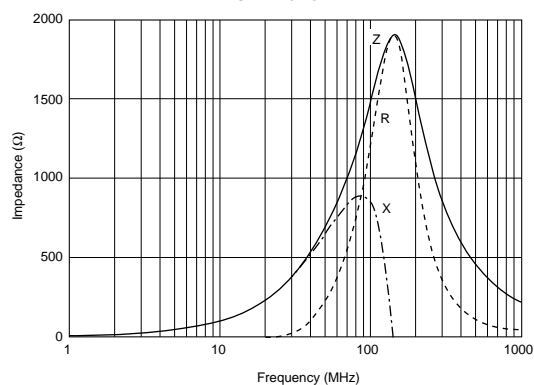
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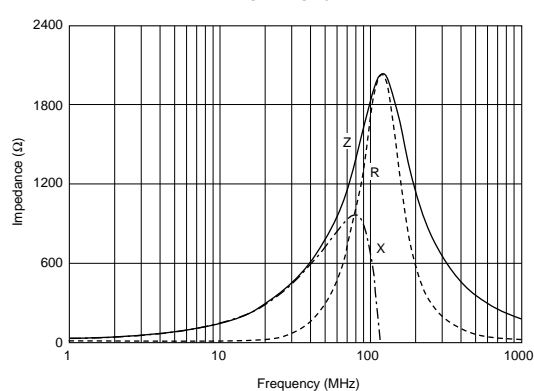
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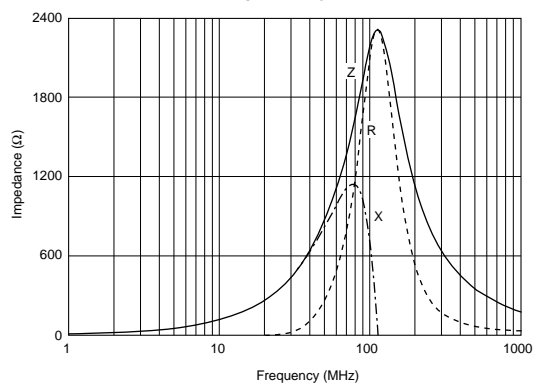
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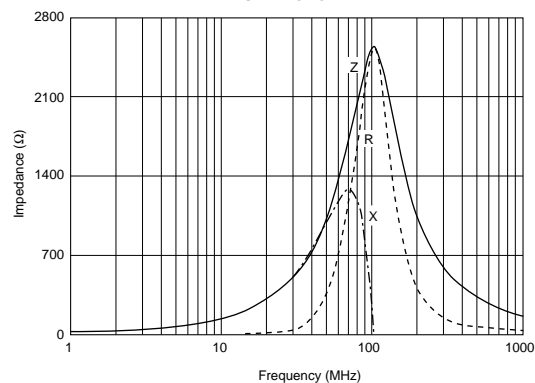
BLM18BD182SN1



BLM18BD222SN1

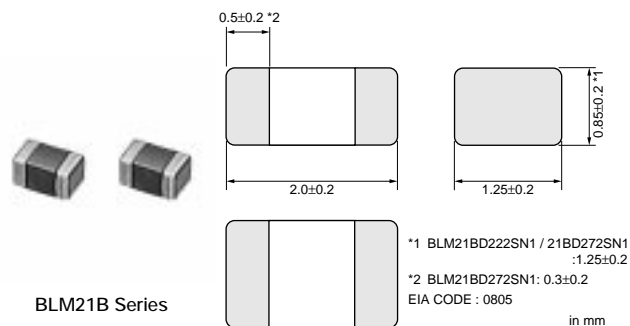


BLM18BD252SN1



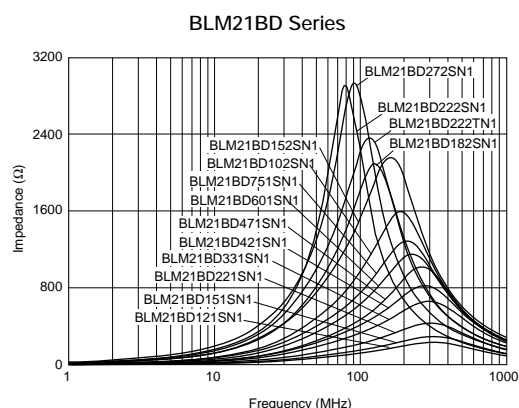
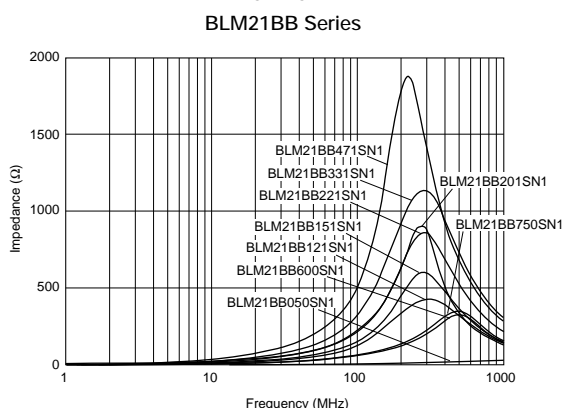


## BLM21B Series (0805 Size)



Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM21BB050SN1	5 ±25%	500	0.07	-55 to 125
BLM21BB600SN1	60 ±25%	200	0.20	-55 to 125
BLM21BB750SN1	75 ±25%	200	0.25	-55 to 125
BLM21BB121SN1	120 ±25%	200	0.25	-55 to 125
BLM21BD121SN1	120 ±25%	200	0.25	-55 to 125
BLM21BB151SN1	150 ±25%	200	0.25	-55 to 125
BLM21BD151SN1	150 ±25%	200	0.25	-55 to 125
BLM21BB201SN1	200 ±25%	200	0.35	-55 to 125
BLM21BB221SN1	220 ±25%	200	0.35	-55 to 125
BLM21BD221SN1	220 ±25%	200	0.25	-55 to 125
BLM21BB331SN1	330 ±25%	200	0.40	-55 to 125
BLM21BD331SN1	330 ±25%	200	0.30	-55 to 125
BLM21BD421SN1	420 ±25%	200	0.30	-55 to 125
BLM21BB471SN1	470 ±25%	200	0.45	-55 to 125
BLM21BD471SN1	470 ±25%	200	0.35	-55 to 125
BLM21BD601SN1	600 ±25%	200	0.35	-55 to 125
BLM21BD751SN1	750 ±25%	200	0.40	-55 to 125
BLM21BD102SN1	1000 ±25%	200	0.40	-55 to 125
BLM21BD152SN1	1500 ±25%	200	0.45	-55 to 125
BLM21BD182SN1	1800 ±25%	200	0.50	-55 to 125
BLM21BD222TN1	2200 ±25%	200	0.60	-55 to 125
BLM21BD222SN1	2250 (Typ.)	200	0.60	-55 to 125
BLM21BD272SN1	2700 ±25%	200	0.80	-55 to 125

### ■ Impedance-Frequency (Typical)



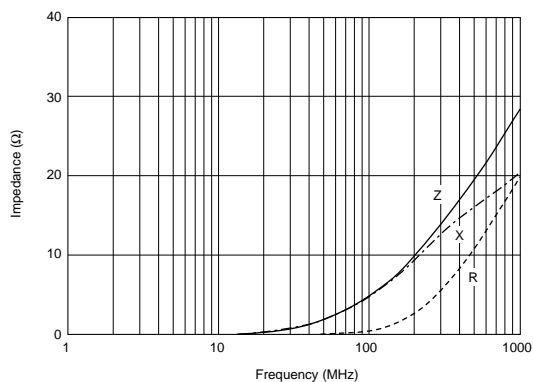
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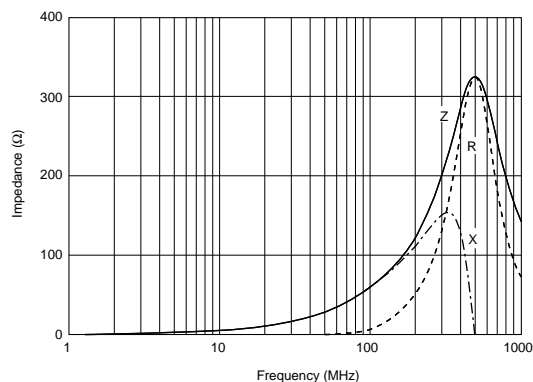
## ■ Impedance-Frequency Characteristics

1

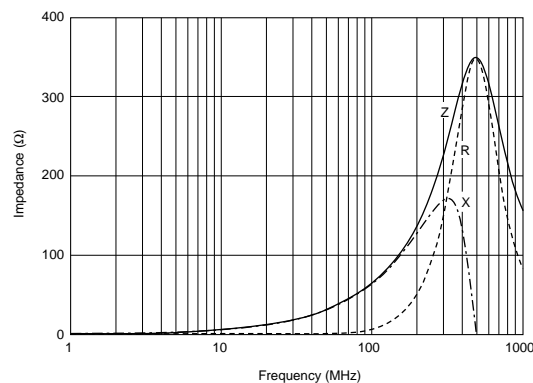
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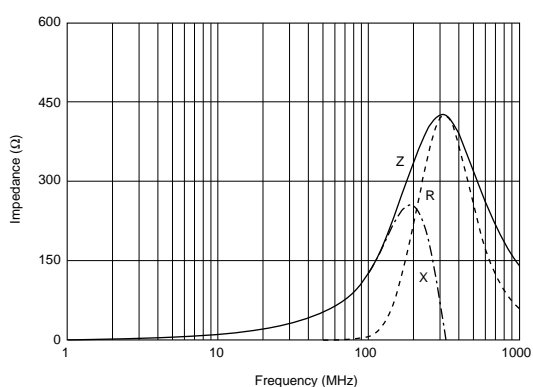
BLM21BB600SN1



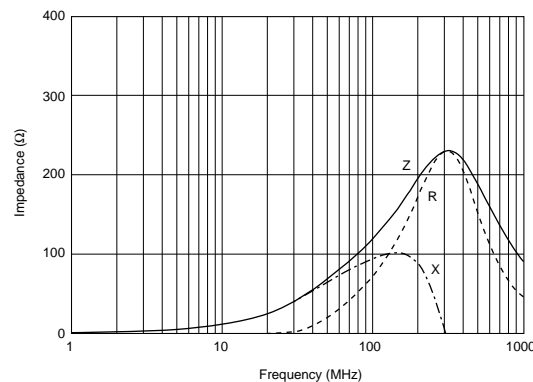
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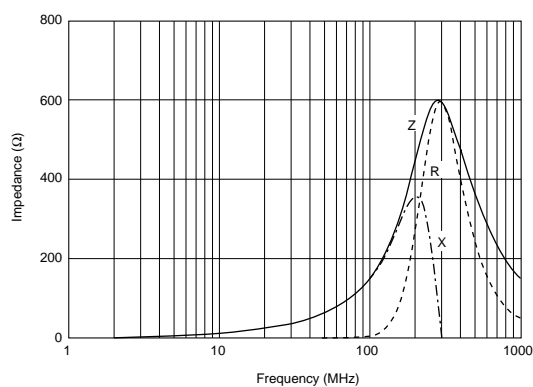
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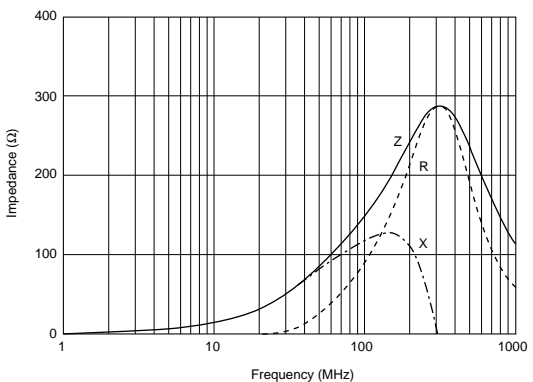
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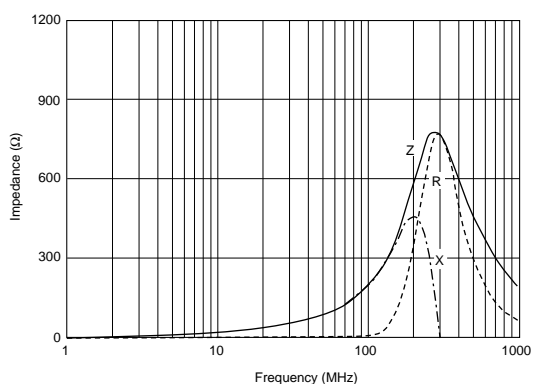
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BLM21BD151SN1



BLM21BB201SN1

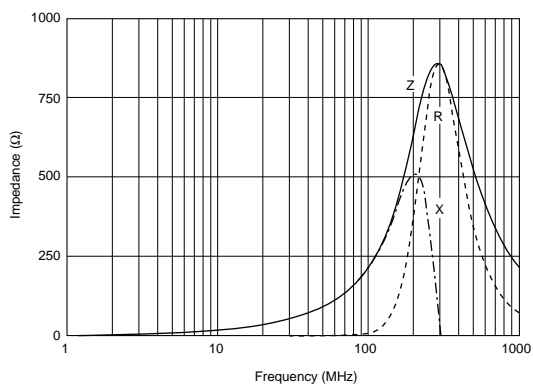


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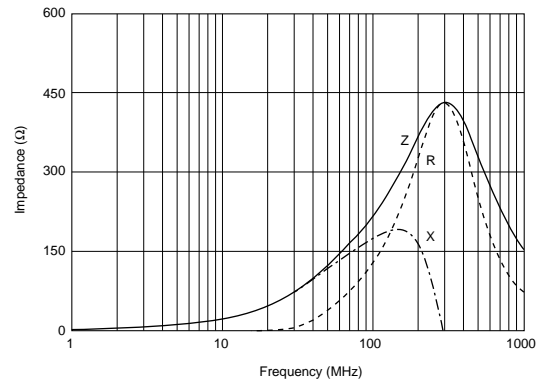
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## ■ Impedance-Frequency Characteristics

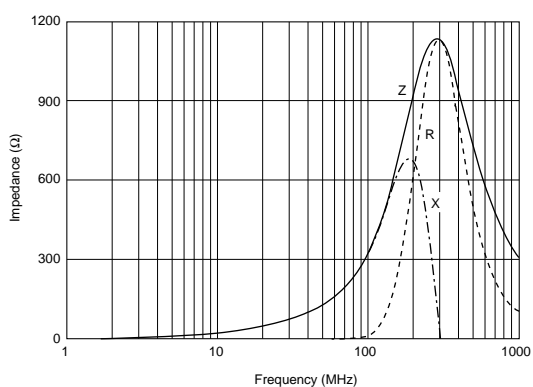
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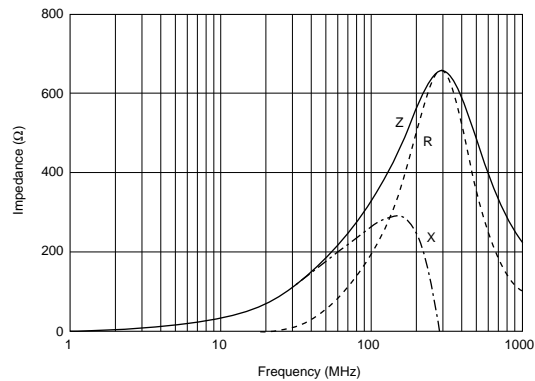
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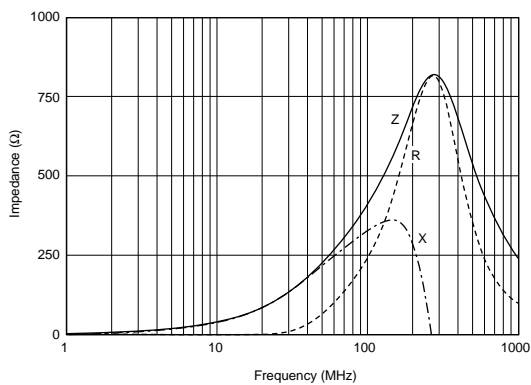
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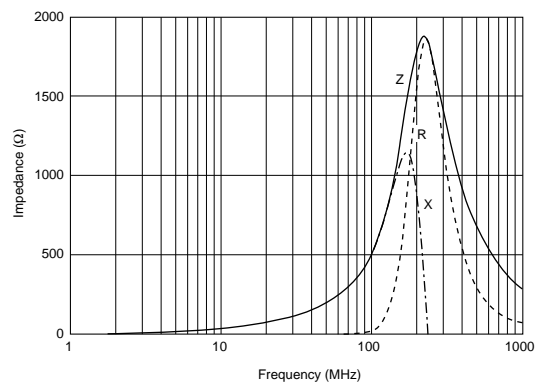
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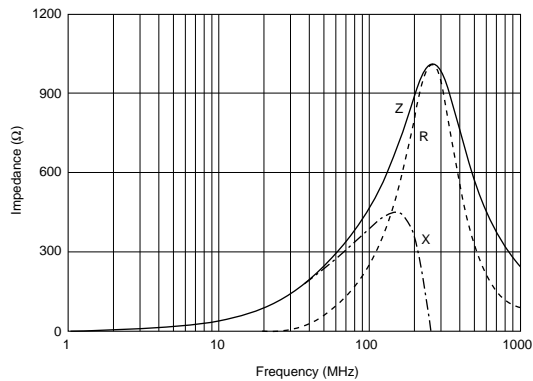
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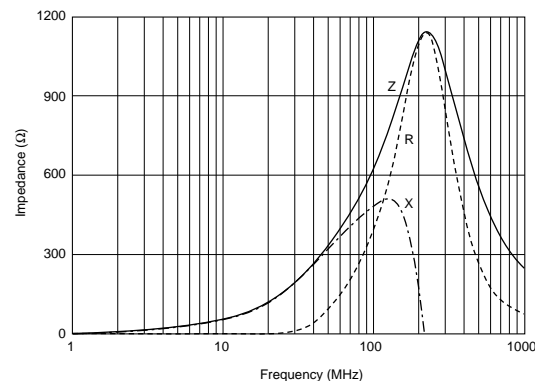
BLM21BB471SN1



BLM21BD471SN1



BLM21BD601SN1



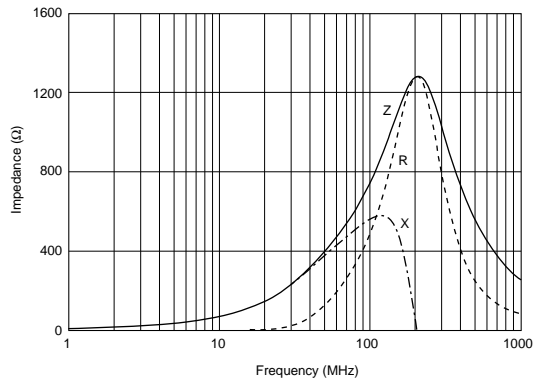
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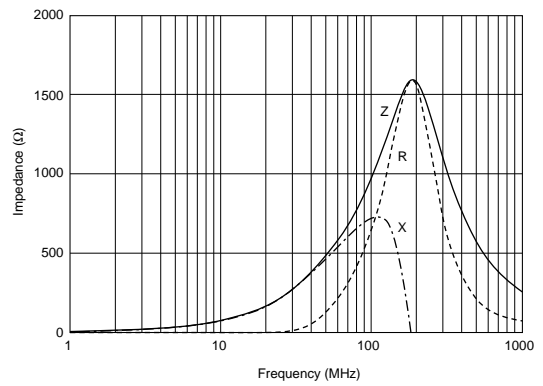
## Impedance-Frequency Characteristics

1

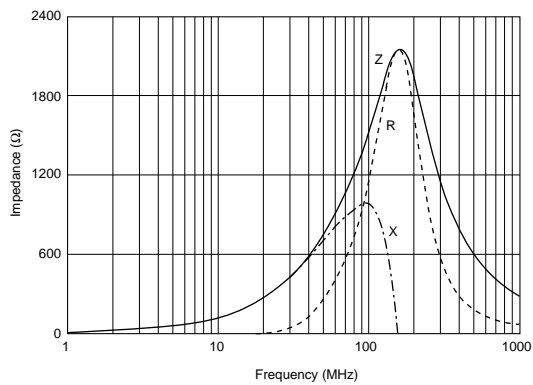
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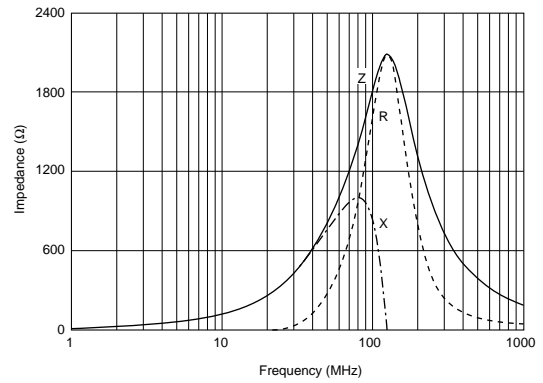
BLM21BD102SN1



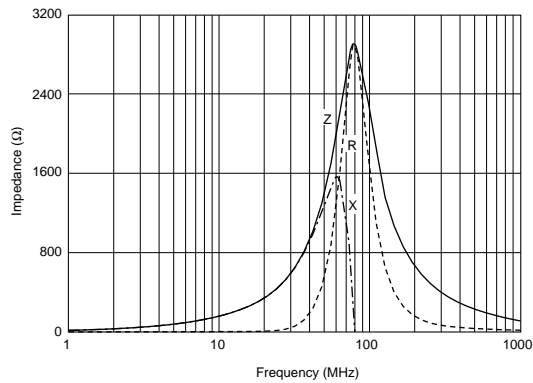
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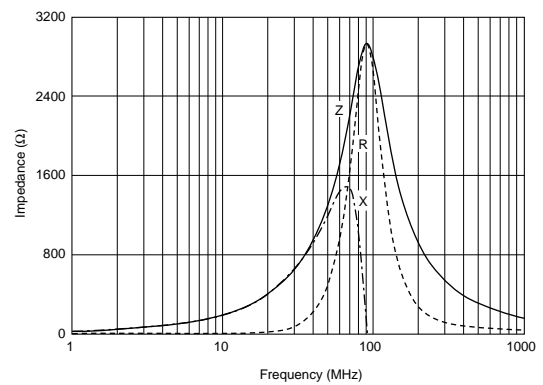
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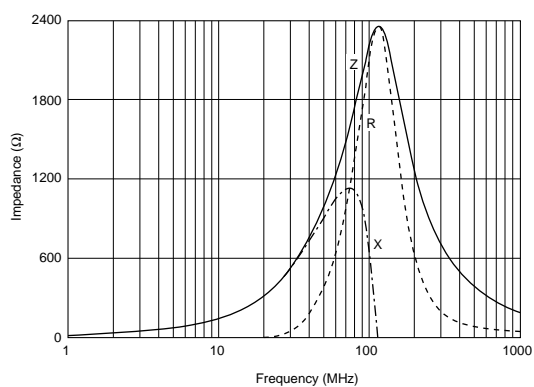
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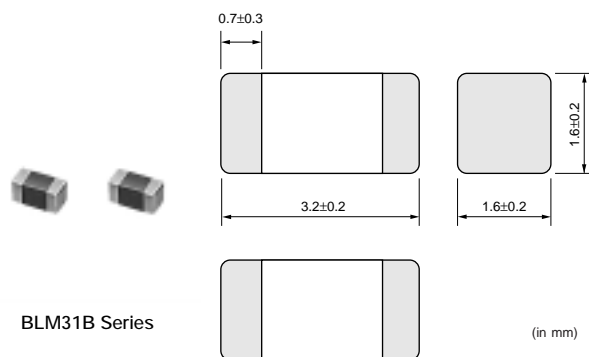
BLM21BD222SN1



BLM21BD272SN1

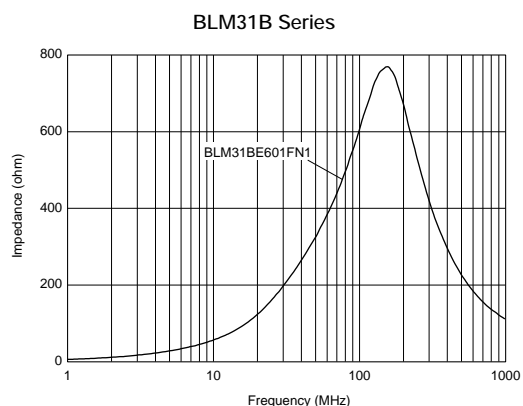


## BLM31B Series (1206 Size)

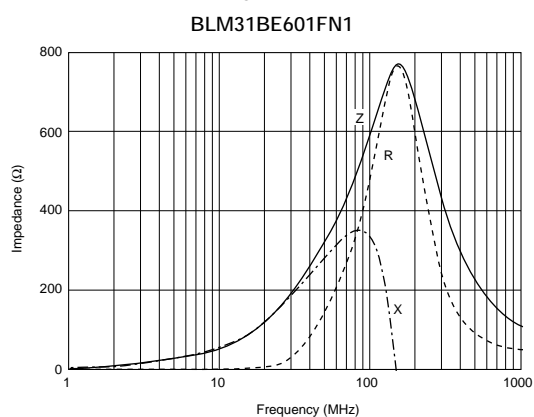


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM31BE601FN1	600 ±25%	300	0.35	-55 to 125

### ■ Impedance-Frequency (Typical)



### ■ Impedance-Frequency Characteristics

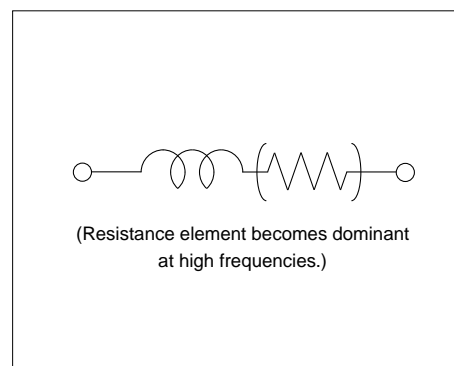


## ■ Features (BLM\_R Series)

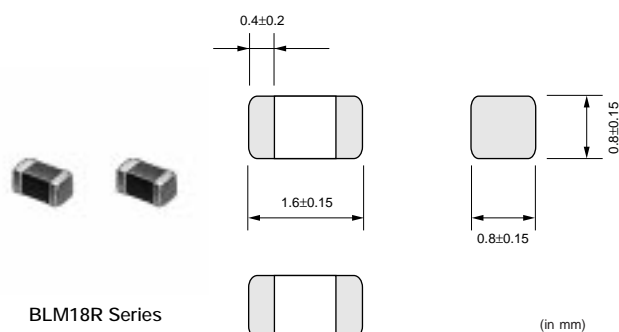
The chip ferrite bead BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequencies mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance. The BLM\_R series can be used in Digital Interface. Resistance of BLM\_R series especially grows in the lower frequency range. Therefore BLM\_R series is less effect for Digital signal waveform at low frequency range and can suppress the ringing.

## ■ Equivalent Circuit

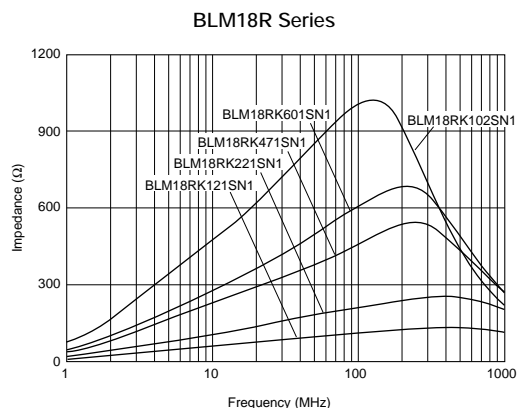


### BLM18R Series (0603 Size)



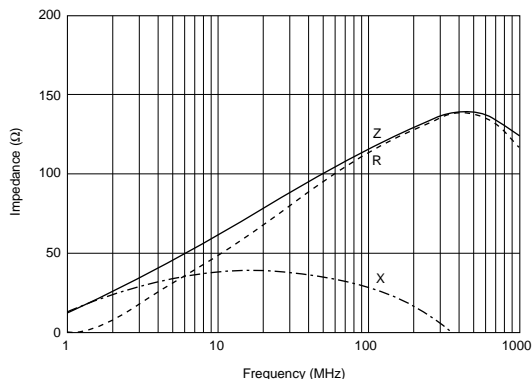
Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM18RK121SN1	120 ±25%	200	0.25	-55 to 125
BLM18RK221SN1	220 ±25%	200	0.30	-55 to 125
BLM18RK471SN1	470 ±25%	200	0.50	-55 to 125
BLM18RK601SN1	600 ±25%	200	0.60	-55 to 125
BLM18RK102SN1	1000 ±25%	200	0.80	-55 to 125

## ■ Impedance-Frequency (Typical)

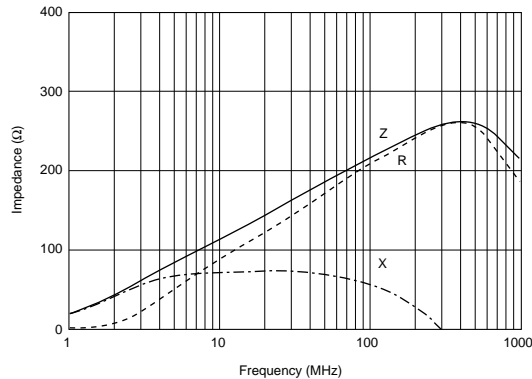


## ■ Impedance-Frequency Characteristics

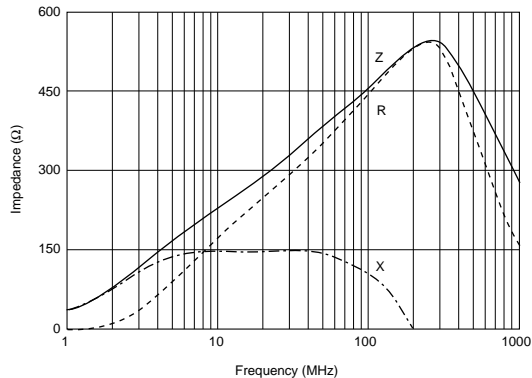
BLM18RK121SN1



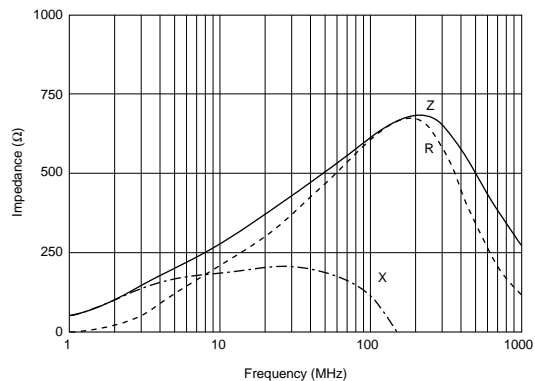
BLM18RK221SN1



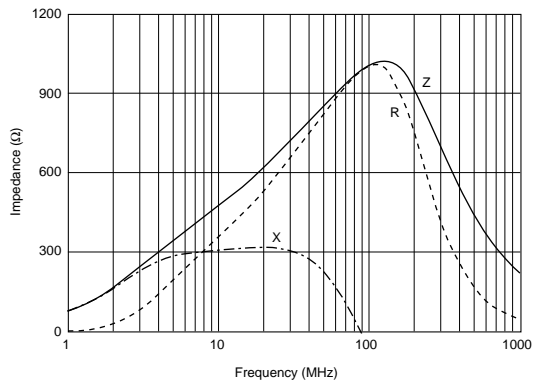
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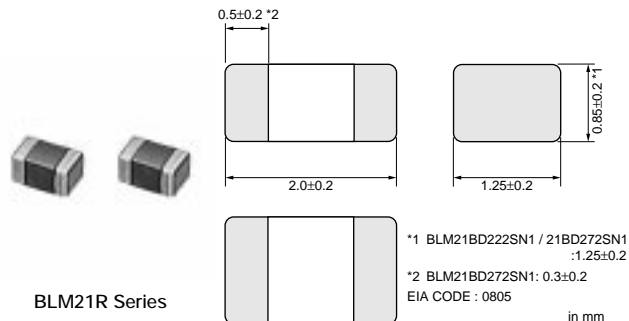
BLM18RK601SN1



BLM18RK102SN1

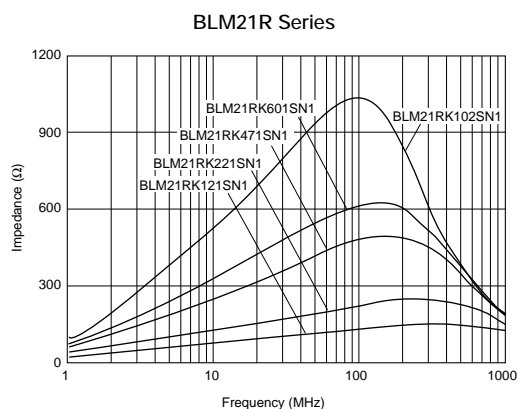


### BLM21R Series (0805 Size)

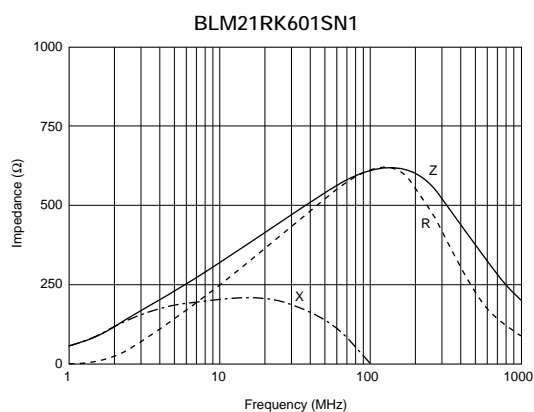
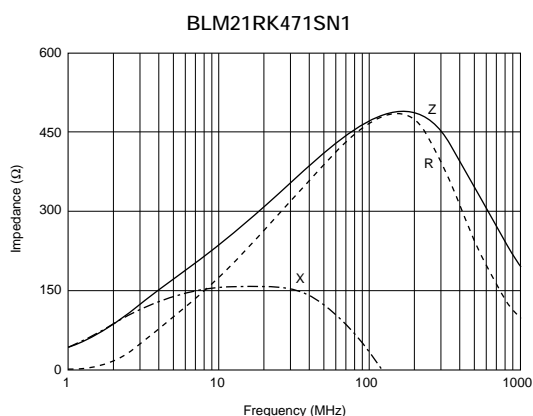
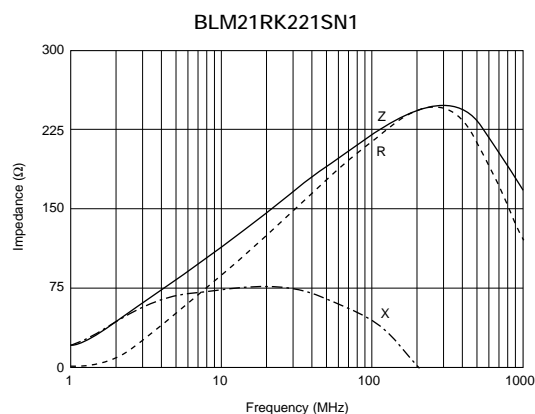
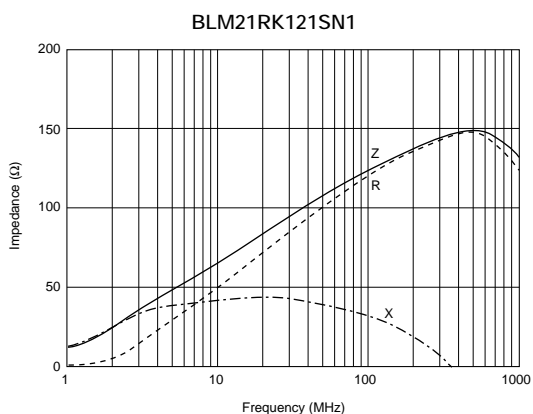


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
<b>BLM21RK121SN1</b>	120 ±25%	200	0.15	-55 to 125
<b>BLM21RK221SN1</b>	220 ±25%	200	0.20	-55 to 125
<b>BLM21RK471SN1</b>	470 ±25%	200	0.25	-55 to 125
<b>BLM21RK601SN1</b>	600 ±25%	200	0.30	-55 to 125
<b>BLM21RK102SN1</b>	1000 ±25%	200	0.50	-55 to 125

## ■ Impedance-Frequency (Typical)



## ■ Impedance-Frequency Characteristics



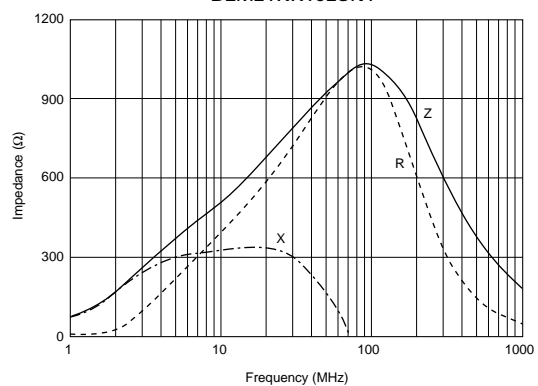
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## ■ Impedance-Frequency Characteristics

BLM21RK102SN1

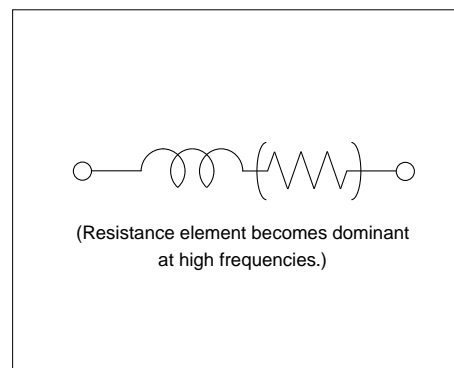


## ■ Features (BLM\_P Series)

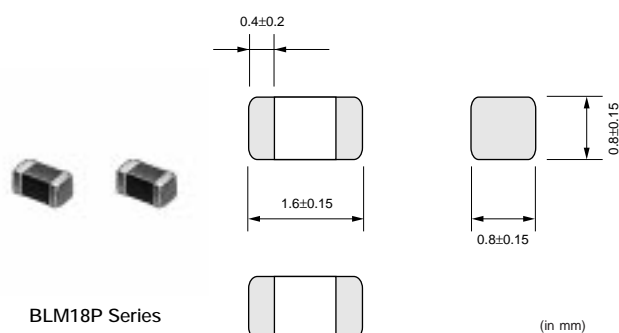
The chip ferrite bead BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequencies mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance. The BLM\_P series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6A DC (BLM41P).

## ■ Equivalent Circuit



## BLM18P Series (0603 Size)

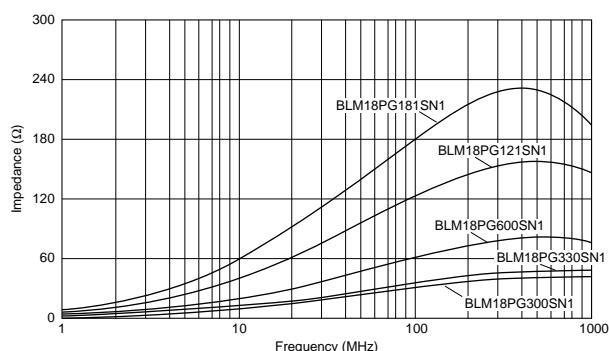


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM18PG300SN1	30 (Typ.)	1000	0.05	-55 to 125
BLM18PG330SN1	33 ±25%	3000	0.025	-55 to 125
BLM18PG600SN1	60 (Typ.)	500	0.10	-55 to 125
BLM18PG121SN1	120 ±25%	2000	0.05	-55 to 125
BLM18PG181SN1	180 ±25%	1500	0.09	-55 to 125

When the BLM\_P series is for Large-current used in operating temperatures exceeding +85 °C, derating of current is necessary.  
Please apply the derating curve shown in Notice (Rating) of BLM\_P series according to the operating temperature.

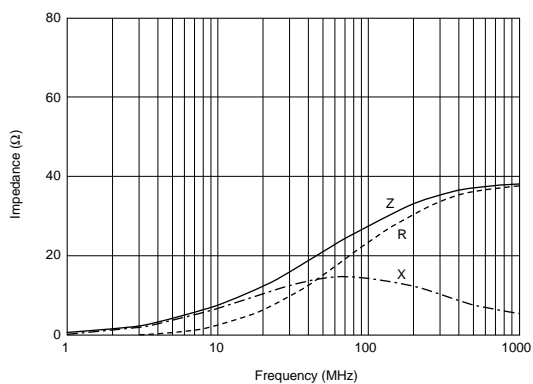
## ■ Impedance-Frequency (Typical)

BLM18P Series

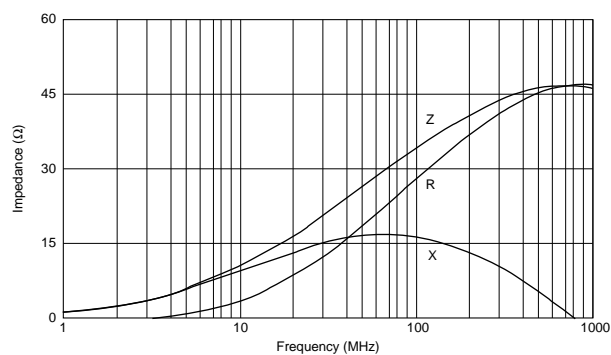


## ■ Impedance-Frequency Characteristics

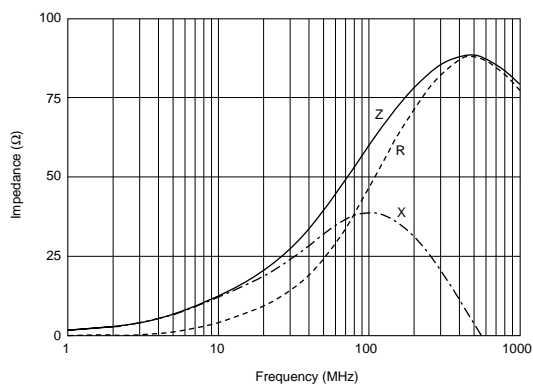
BLM18PG300SN1



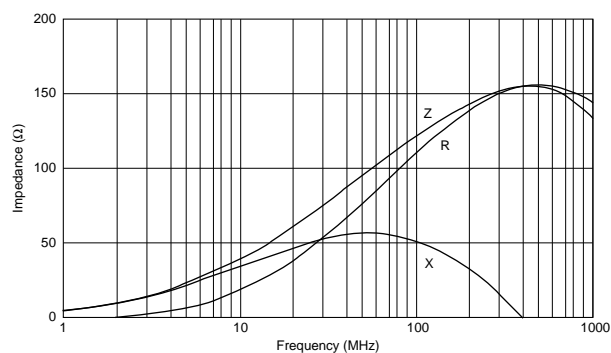
BLM18PG330SN1



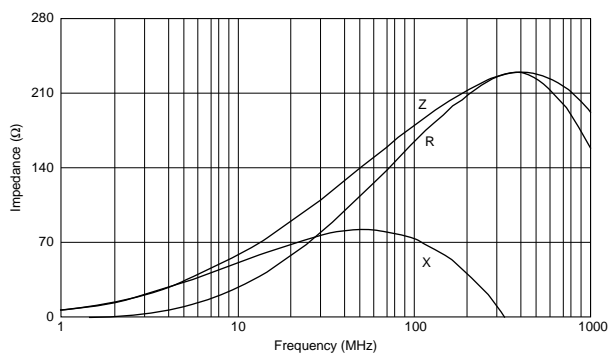
BLM18PG600SN1



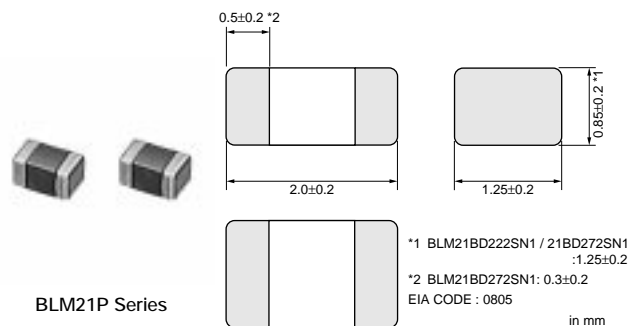
BLM18PG121SN1



BLM18PG181SN1



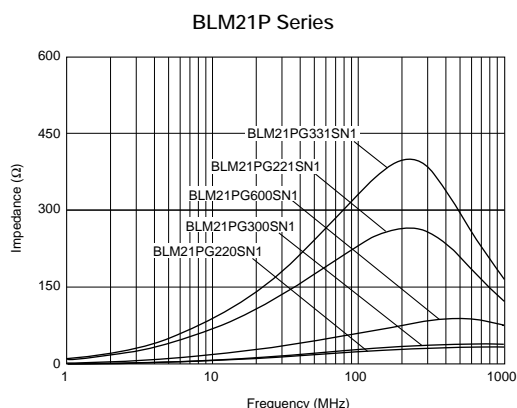
## BLM21P Series (0805 Size)



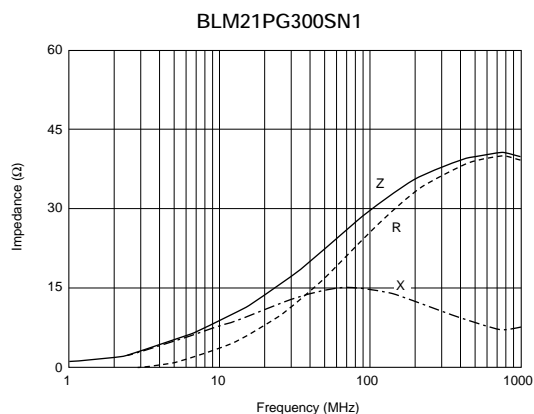
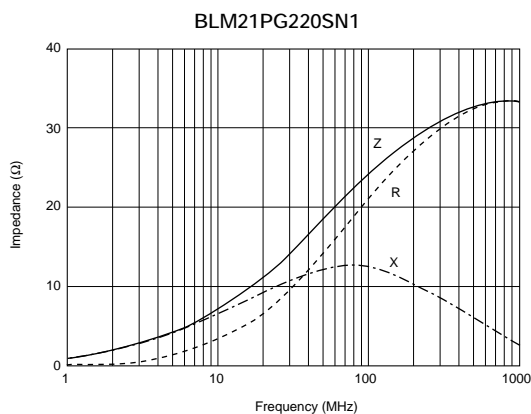
Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM21PG220SN1	22 (Typ.)	6000	0.01	-55 to 125
BLM21PG300SN1	30 (Typ.)	3000	0.015	-55 to 125
BLM21PG600SN1	60 (Typ.)	3000	0.025	-55 to 125
BLM21PG221SN1	220 (Typ.)	2000	0.050	-55 to 125
BLM21PG331SN1	330 (Typ.)	1500	0.09	-55 to 125

When the BLM\_P series is for Large-current used in operating temperatures exceeding +85 °C, derating of current is necessary.  
Please apply the derating curve shown in Notice (Rating) of BLM\_P series according to the operating temperature.

### ■ Impedance-Frequency (Typical)



### ■ Impedance-Frequency Characteristics

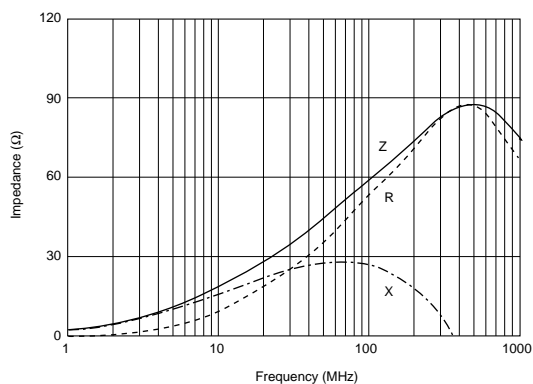


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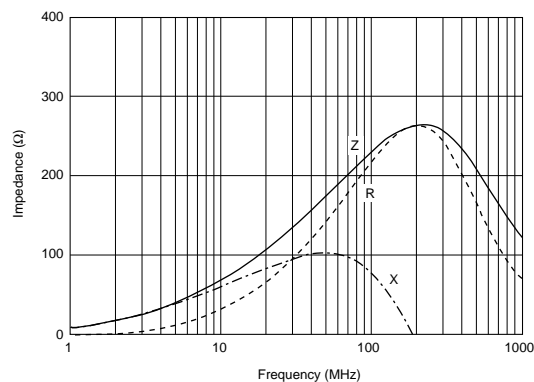
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## ■ Impedance-Frequency Characteristics

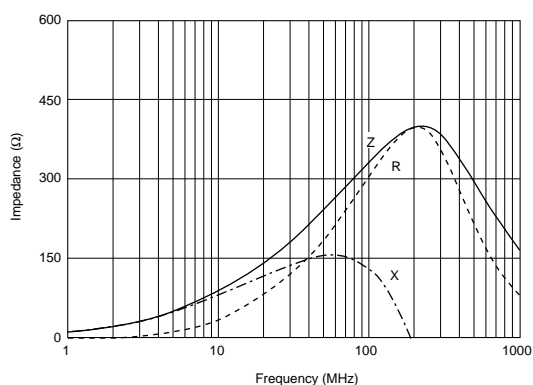
BLM21PG600SN1



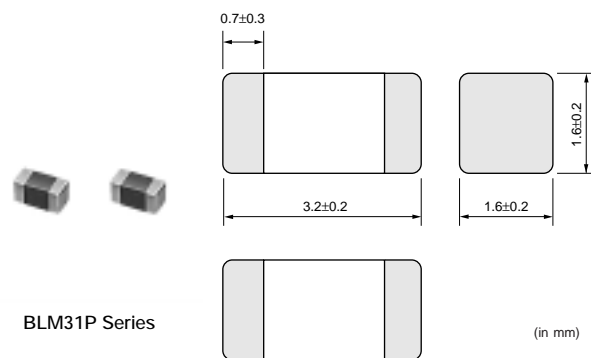
BLM21PG221SN1



BLM21PG331SN1



### BLM31P Series (1206 Size)

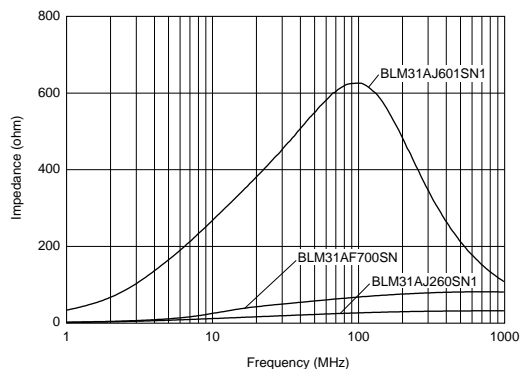


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM31PG330SN1	33 (Typ.)	6000	0.01	-55 to 125
BLM31PG500SN1	50 (Typ.)	3000	0.025	-55 to 125
BLM31PG121SN1	120 (Typ.)	3000	0.025	-55 to 125
BLM31PG391SN1	390 (Typ.)	2000	0.05	-55 to 125
BLM31PG601SN1	600 (Typ.)	1500	0.09	-55 to 125

When the BLM\_P series is for Large-current used in operating temperatures exceeding +85 °C, derating of current is necessary.  
Please apply the derating curve shown in Notice (Rating) of BLM\_P series according to the operating temperature.

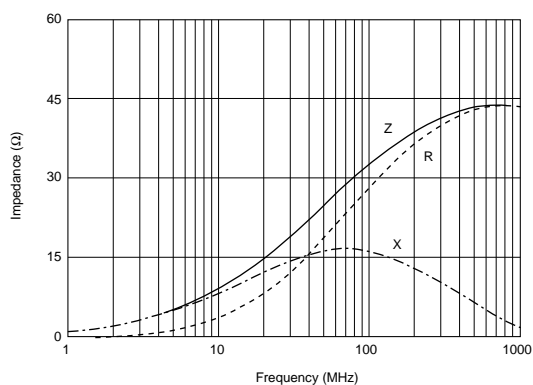
## ■ Impedance-Frequency (Typical)

BLM31P Series

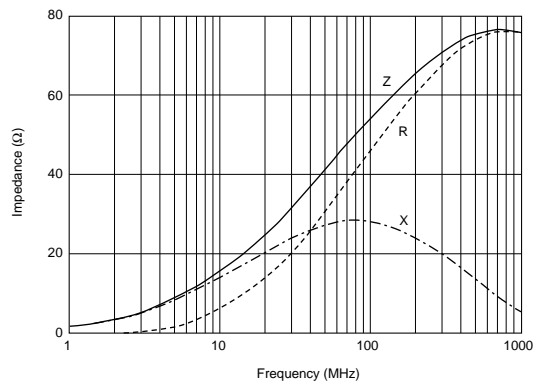


## ■ Impedance-Frequency Characteristics

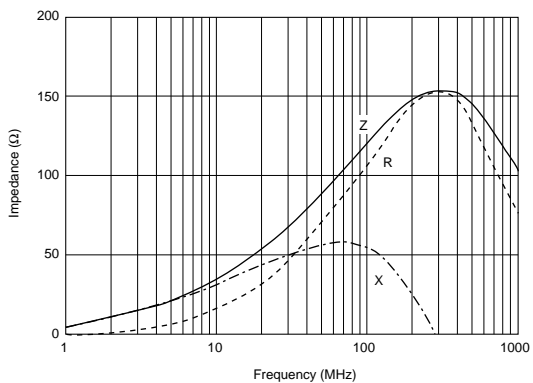
BLM31PG330SN1



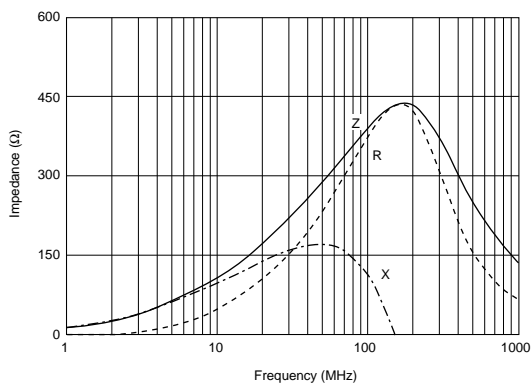
BLM31PG500SN1



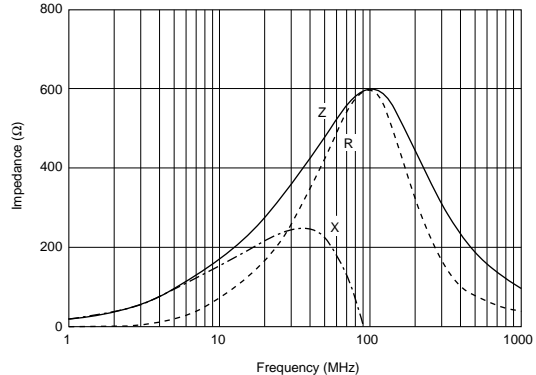
BLM31PG121SN1



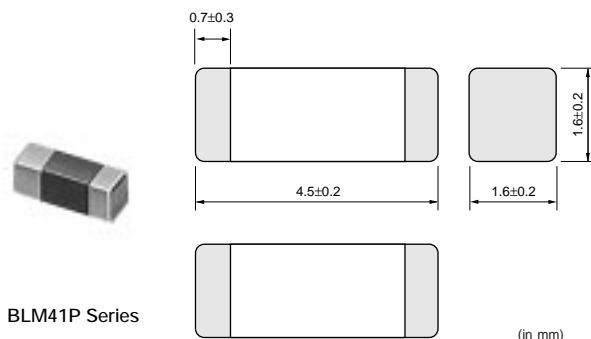
BLM31PG391SN1



BLM31PG601SN1



## BLM41P Series (1806 Size)

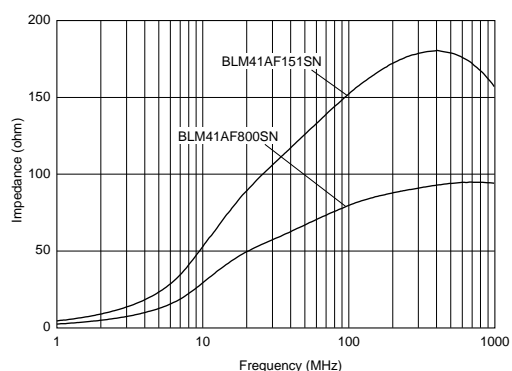


Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM41PG600SN1	60 (Typ.)	6000	0.01	-55 to 125
BLM41PG750SN1	75 (Typ.)	3000	0.025	-55 to 125
BLM41PF800SN1	80 (Typ.)	1000	0.10	-55 to 125
BLM41PG181SN1	180 (Typ.)	3000	0.025	-55 to 125
BLM41PG471SN1	470 (Typ.)	2000	0.05	-55 to 125
BLM41PG102SN1	1000 (Typ.)	1500	0.09	-55 to 125

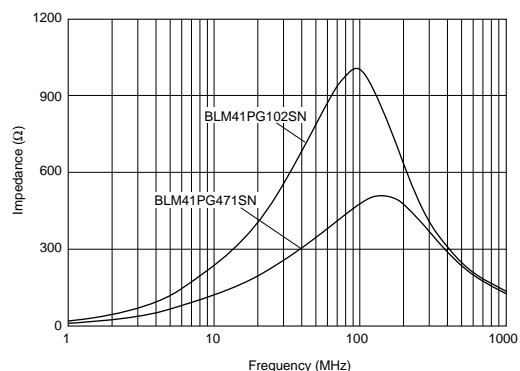
When the BLM\_P series is for Large-current used in operating temperatures exceeding +85 °C, derating of current is necessary.  
Please apply the derating curve shown in Notice (Rating) of BLM\_P series according to the operating temperature.

### ■ Impedance-Frequency (Typical)

BLM41P Series (80-180ohm)

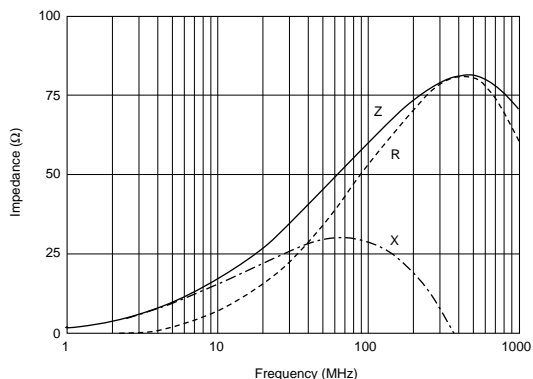


BLM41P Series (470-1000ohm)

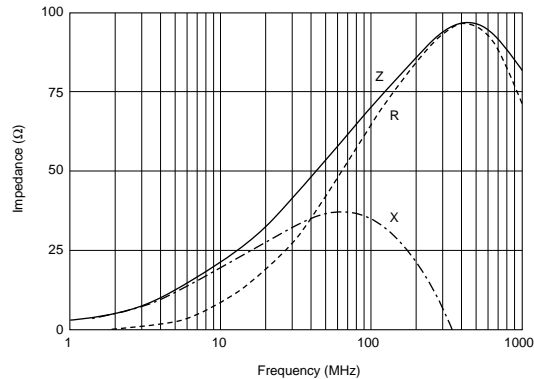


### ■ Impedance-Frequency Characteristics

BLM41PG600SN1



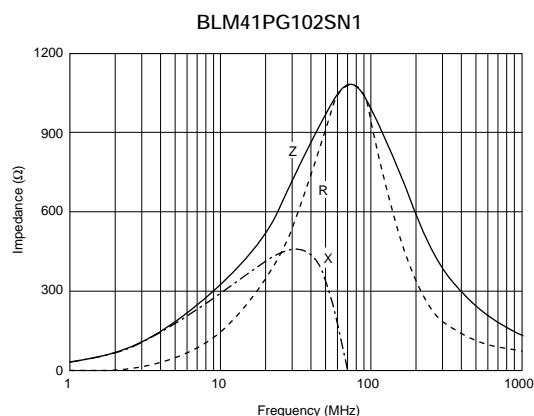
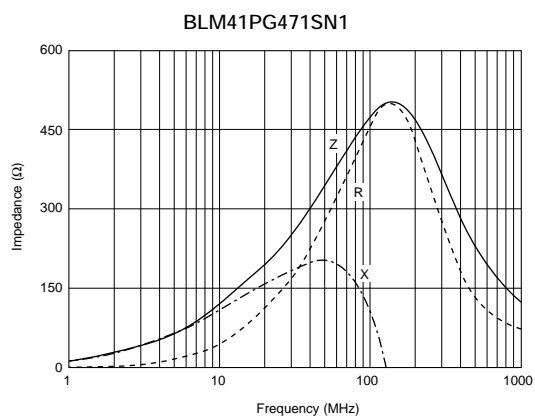
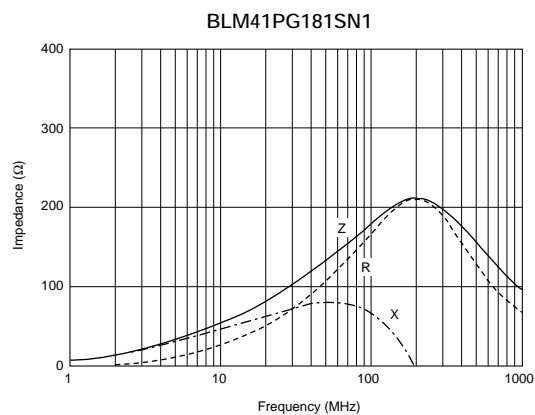
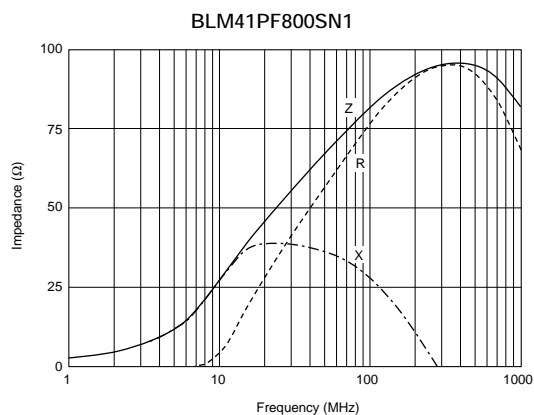
BLM41PG750SN1



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## Impedance-Frequency Characteristics



## Notice (Rating)

When the BLM□□P series is for Large-current used in operating temperatures exceeding + 85°C, derating of current is necessary. Please apply the derating curve shown below according to the operating temperature.

### [Derating]

