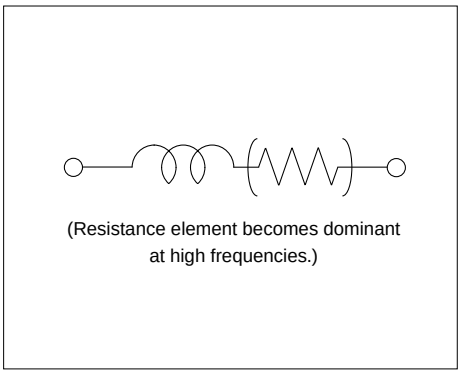
On-Board Type (DC) EMI Suppression Filters (EMIFIL®)

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

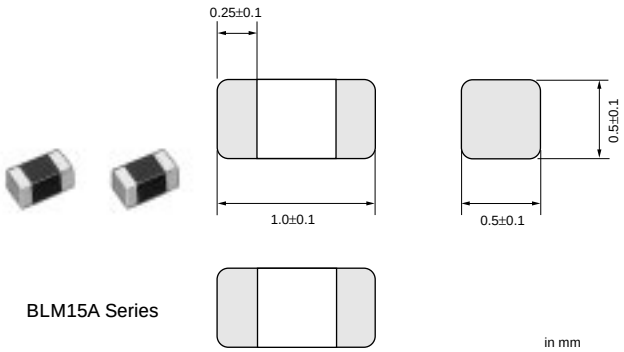
■ Features (BLM_A Series)

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



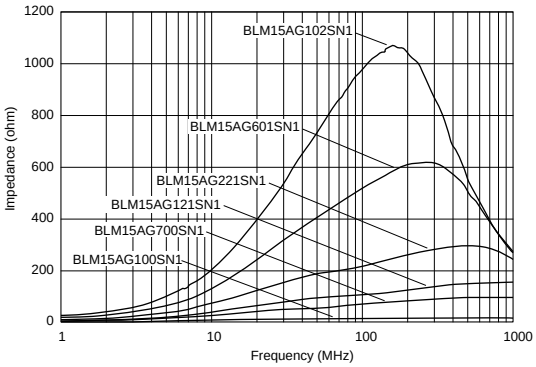
BLM15A Series (0402 Size)



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

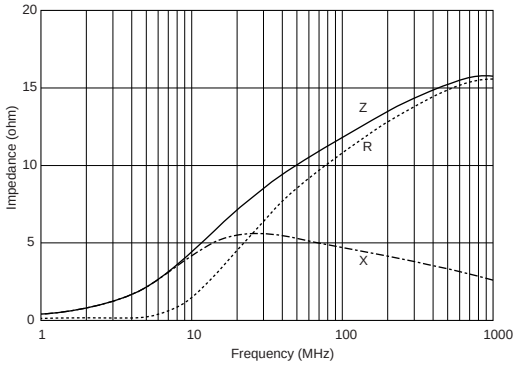
■ Impedance-Frequency (Typical)

BLM15A Series

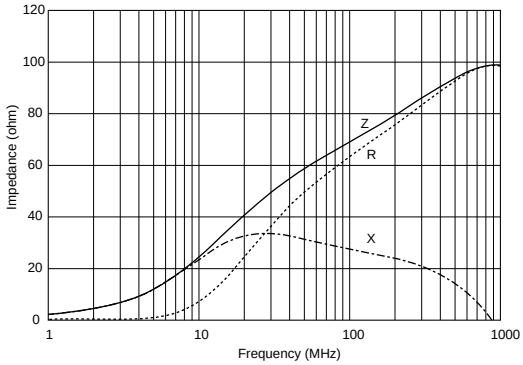


■ Impedance-Frequency Characteristics

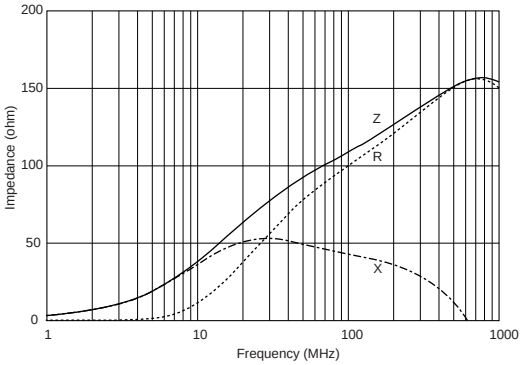
BLM15AG100SN1



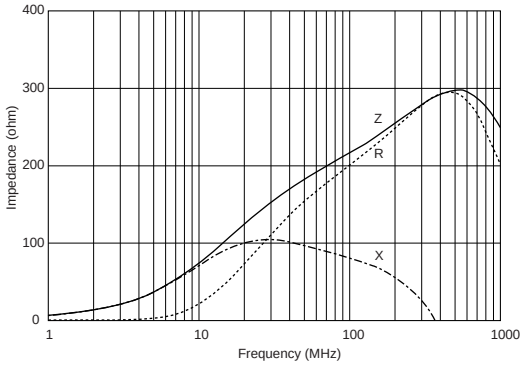
BLM15AG700SN1



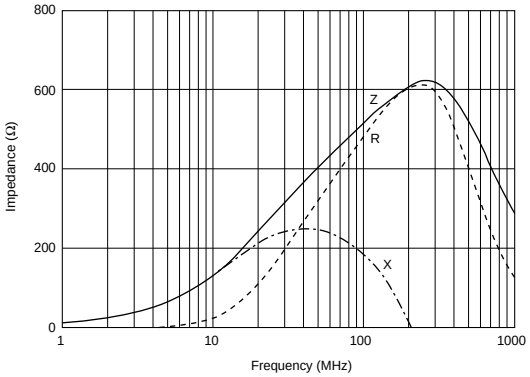
BLM15AG121SN1



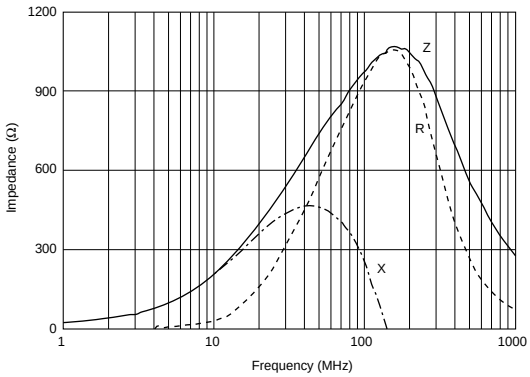
BLM15AG221SN1



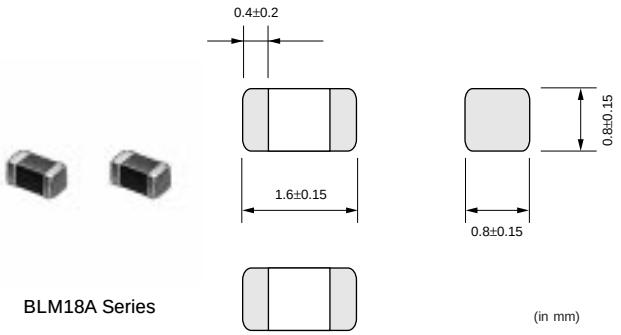
BLM15AG601SN1



BLM15AG102SN1



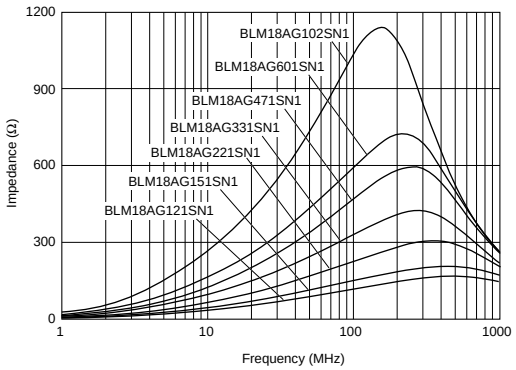
BLM18A Series (0603 Size)



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

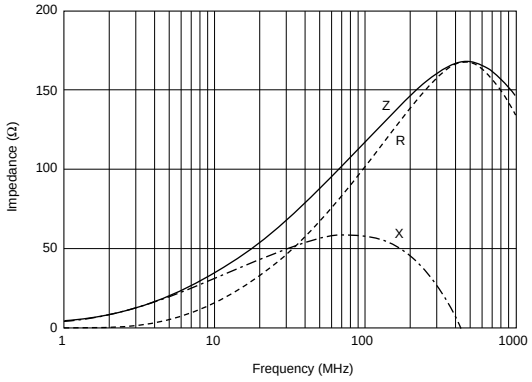
■ Impedance-Frequency (Typical)

BLM18A Series

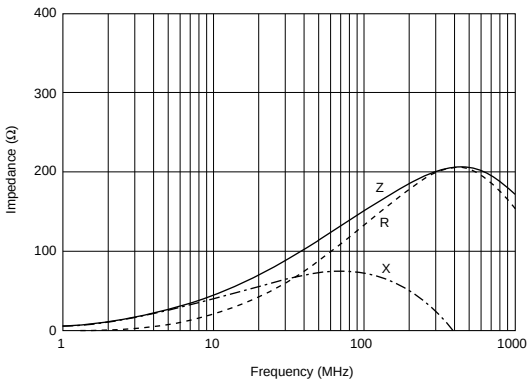


■ Impedance-Frequency Characteristics

BLM18AG121SN1



BLM18AG151SN1



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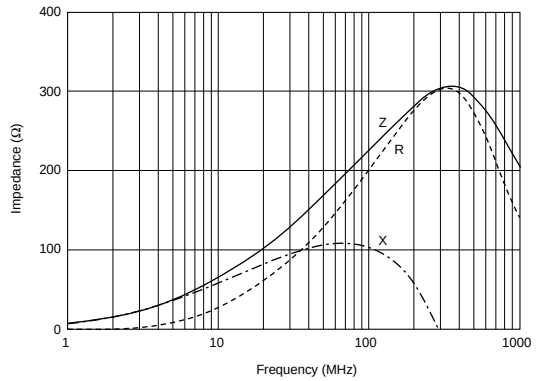
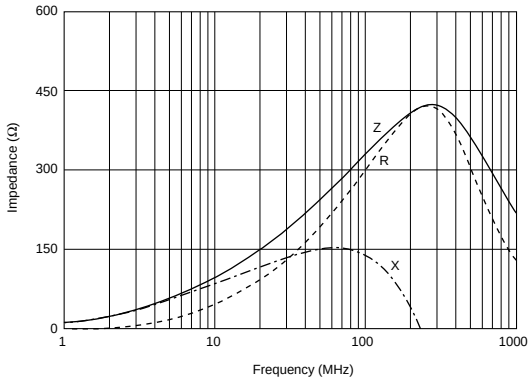
■ Impedance-Frequency Characteristics

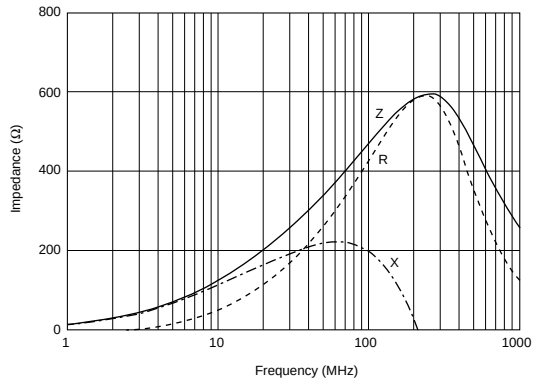
BLM18AG221SN1



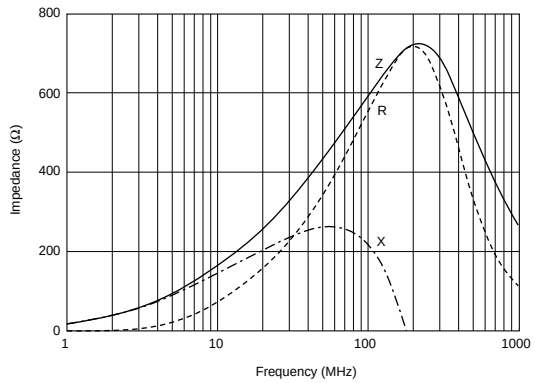
BLM18AG331SN1



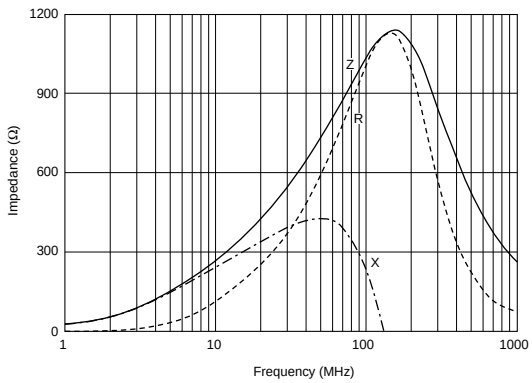
BLM18AG471SN1



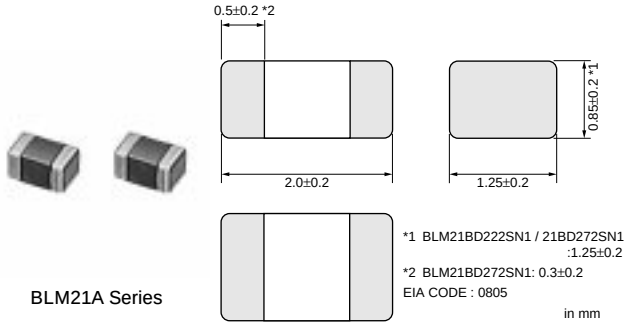
BLM18AG601SN1



BLM18AG102SN1



BLM21A Series (0805 Size)



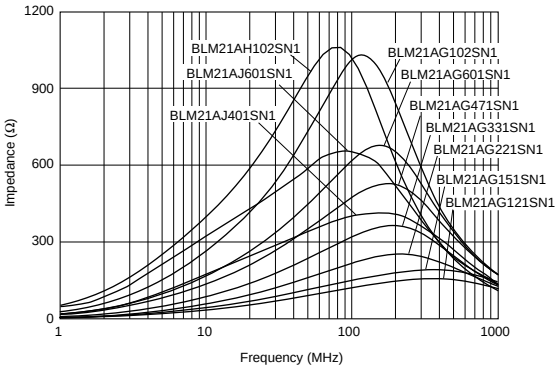
BLM21A Series

*1 BLM21BD222SN1 / 21BD272SN1 :1.25±0.2
*2 BLM21BD272SN1: 0.3±0.2
EIA CODE : 0805
in mm

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

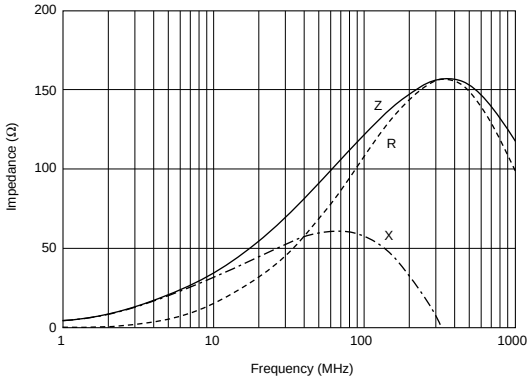
■ Impedance-Frequency (Typical)

BLM21A Series

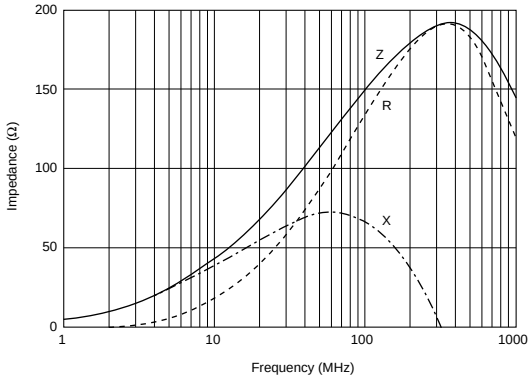


■ Impedance-Frequency Characteristics

BLM21AG121SN1



BLM21AG151SN1



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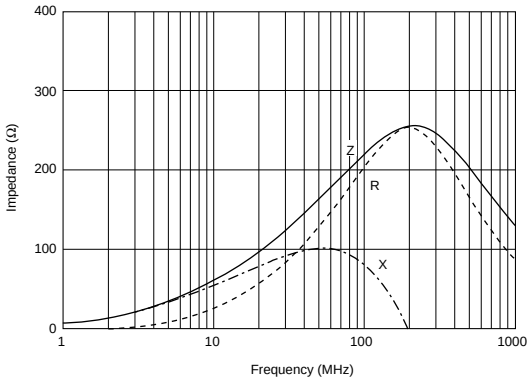
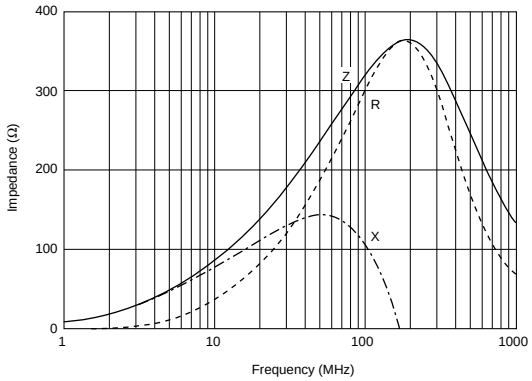
■ Impedance-Frequency Characteristics

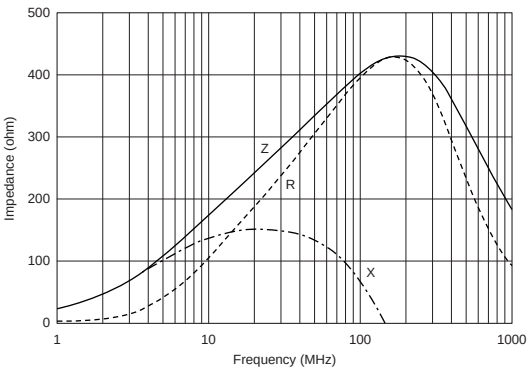
BLM21AG221SN1



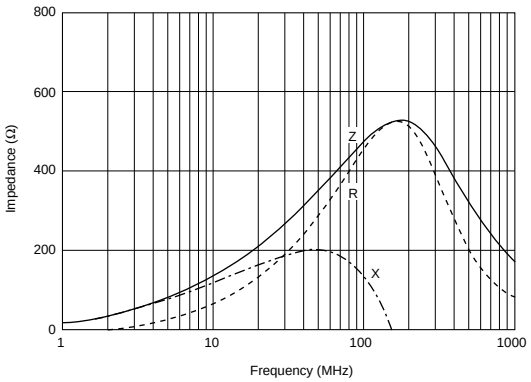
BLM21AG331SN1



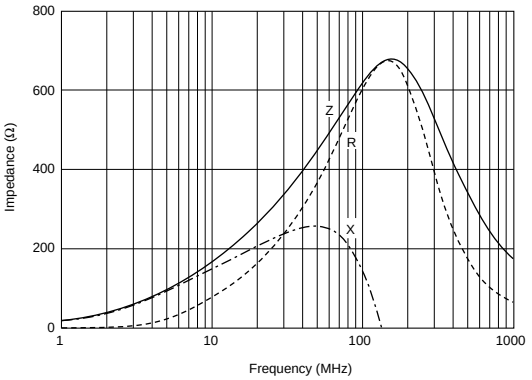
BLM21AJ401SN1



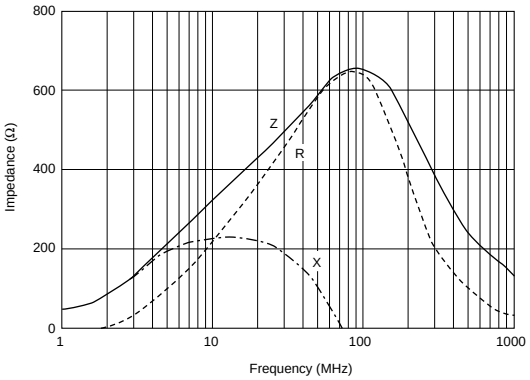
BLM21AG471SN1



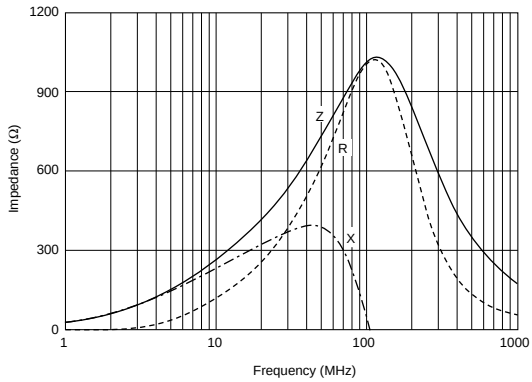
BLM21AG601SN1



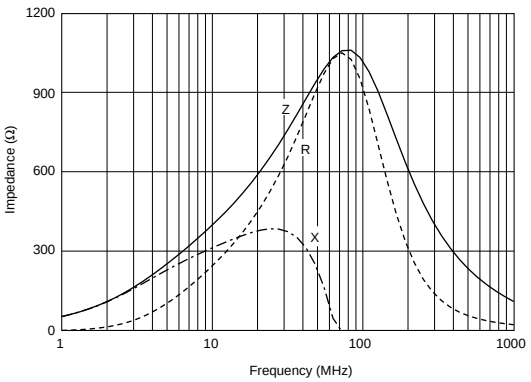
BLM21AJ601SN1



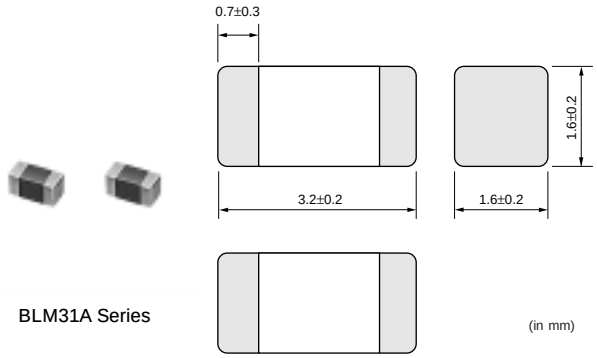
BLM21AG102SN1



BLM21AH102SN1



BLM31A Series (1206 Size)



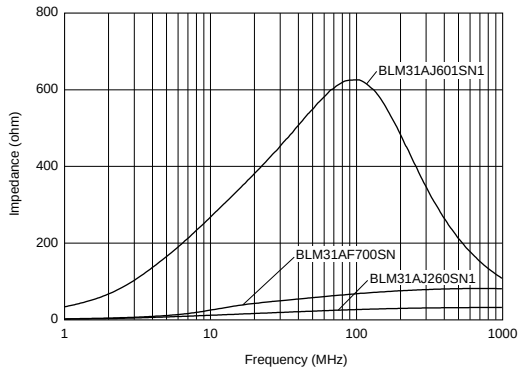
BLM31A Series

(in mm)

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

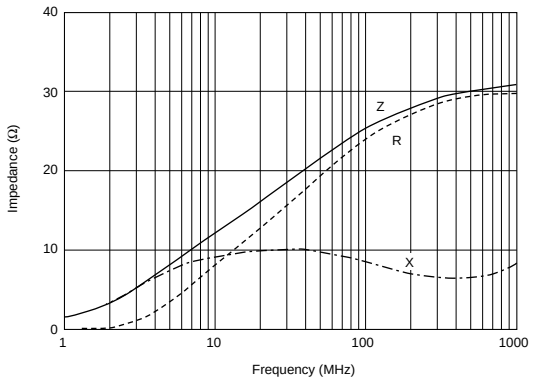
■ Impedance-Frequency (Typical)

BLM31A Series

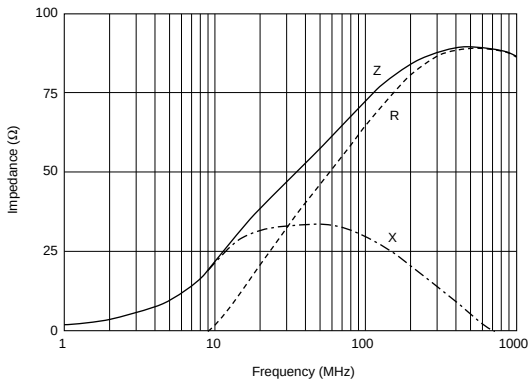


■ Impedance-Frequency Characteristics

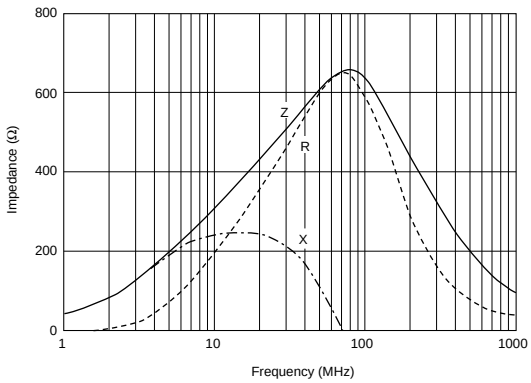
BLM31AJ260SN1



BLM31AF700SN1

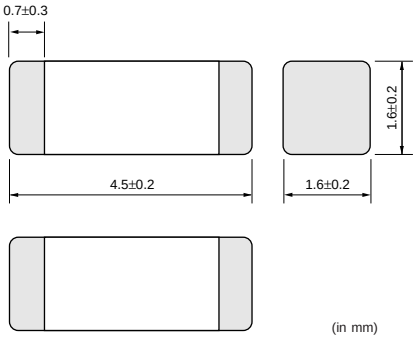


BLM31AJ601SN1



BLM41A Series (1806 Size)

BLM41A Series

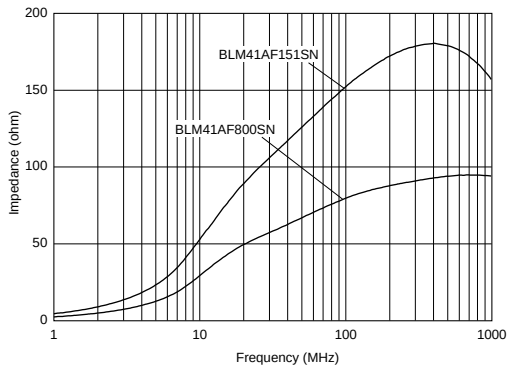


(in mm)

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

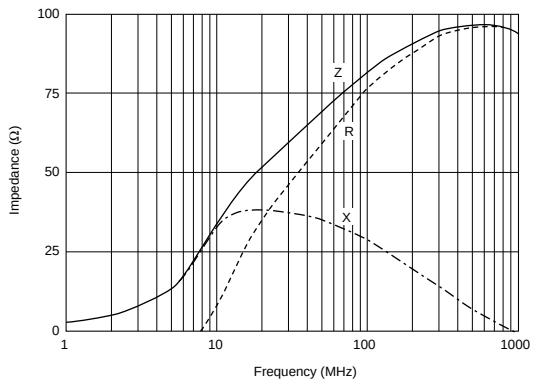
■ Impedance-Frequency (Typical)

BLM41A Series

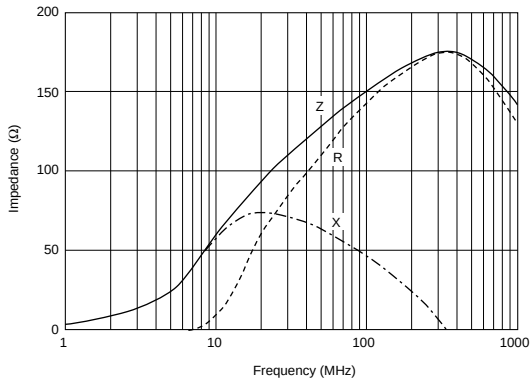


■ Impedance-Frequency Characteristics

BLM41AF800SN1



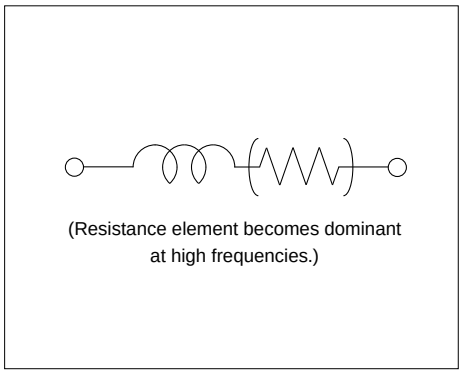
BLM41AF151SN1



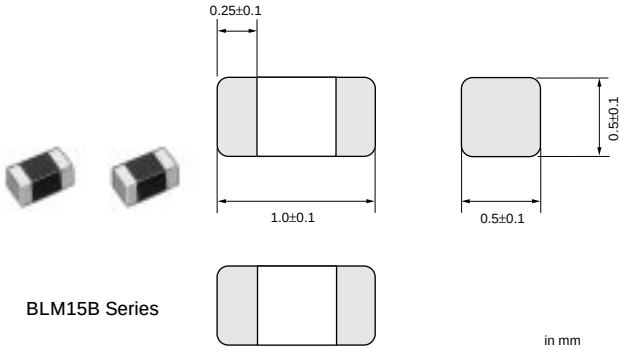
■ Features (BLM_B Series)

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



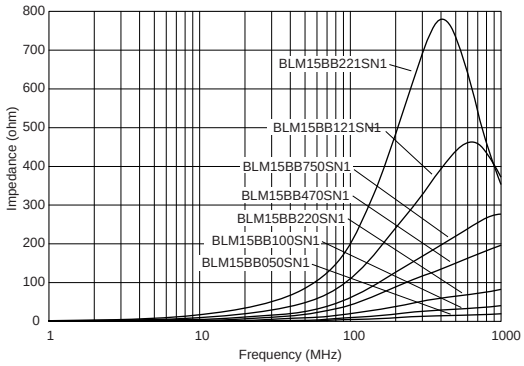
BLM15B Series (0402 Size)



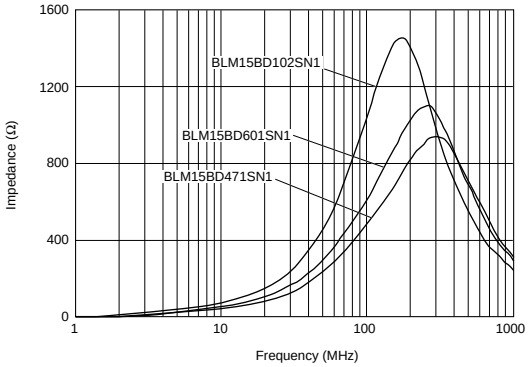
Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM15BB050SN1	5 ±25%	500	0.08	-55 to 125
BLM15BB100SN1	10 ±25%	300	0.10	-55 to 125
BLM15BB220SN1	22 ±25%	300	0.20	-55 to 125
BLM15BB470SN1	47 ±25%	300	0.35	-55 to 125
BLM15BB750SN1	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)

BLM15BB Series



BLM15BD Series



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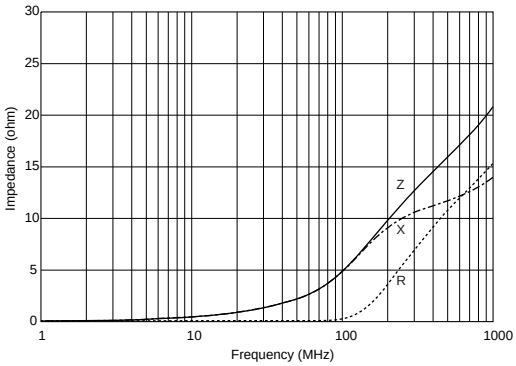
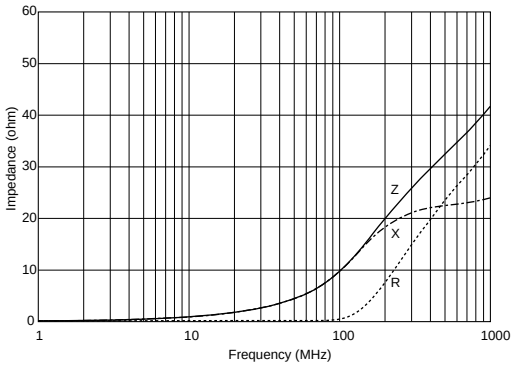
■ Impedance-Frequency Characteristics

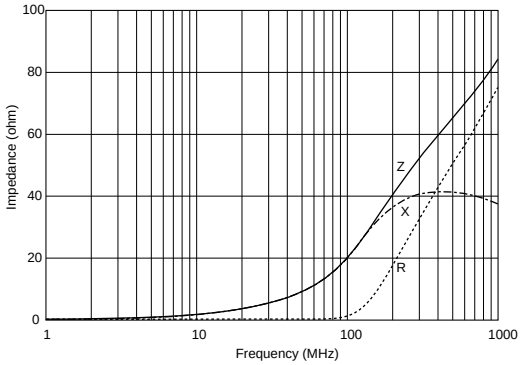
BLM15BB050SN1



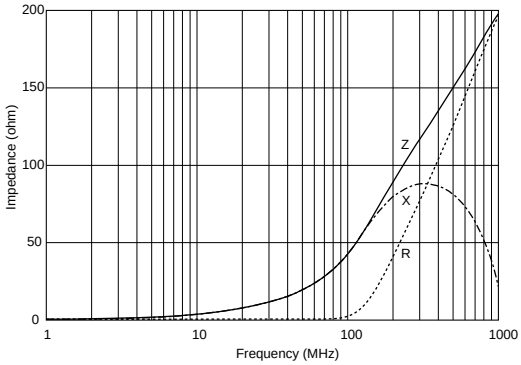
BLM15BB100SN1



BLM15BB220SN1



BLM15BB470SN1



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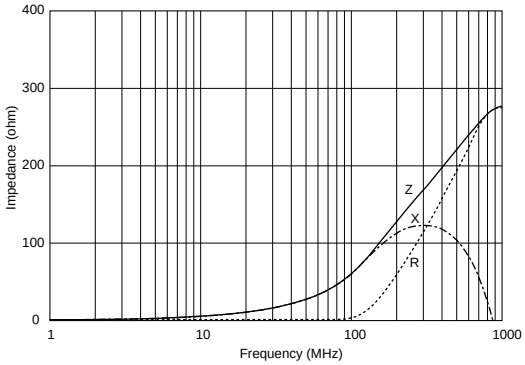
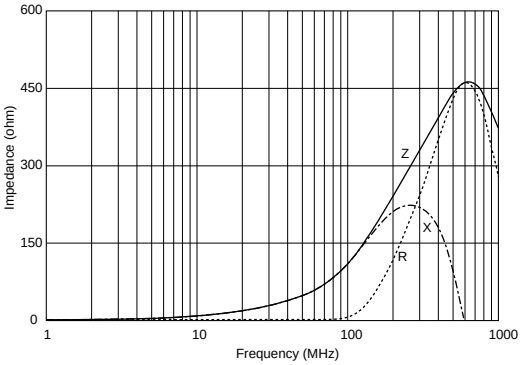


BLM15BB121SN1



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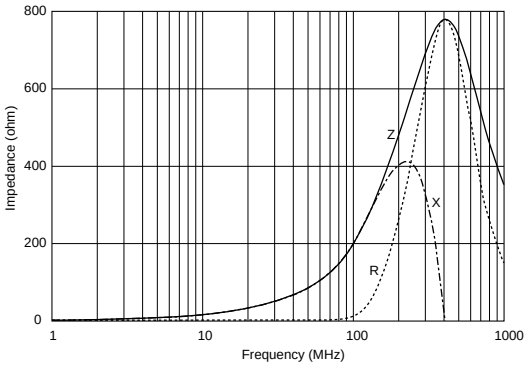

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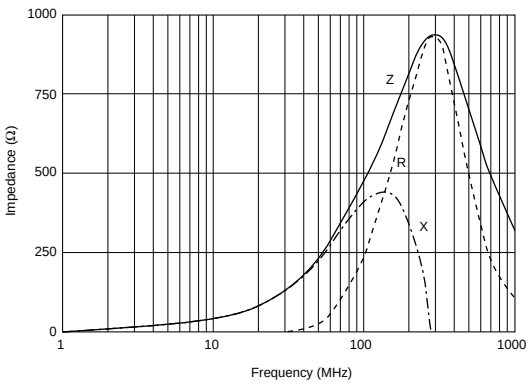

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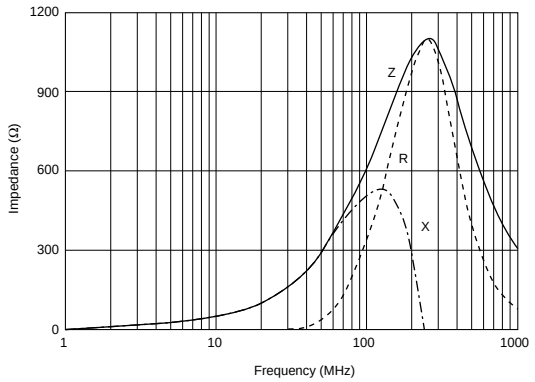
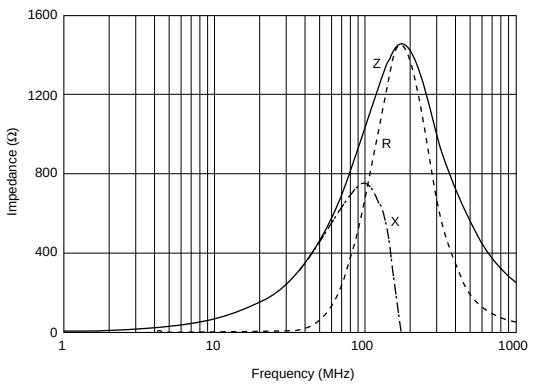
■ Impedance-Frequency Characteristics

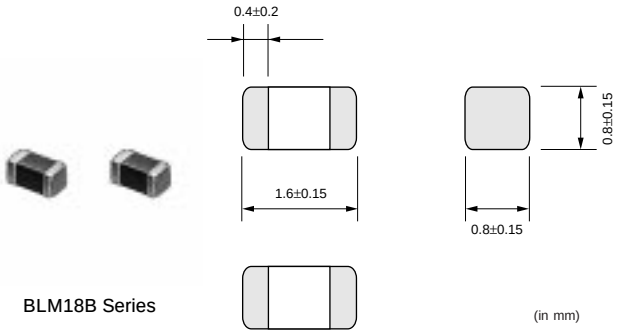
BLM15BD601SN1



BLM15BD102SN1



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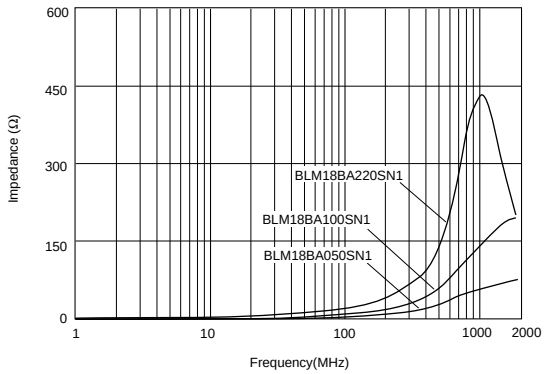
Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM18BD222SN1	2200 ±25%	50	1.50	-55 to 125
BLM18BD252SN1	2500 ±25%	50	1.50	-55 to 125

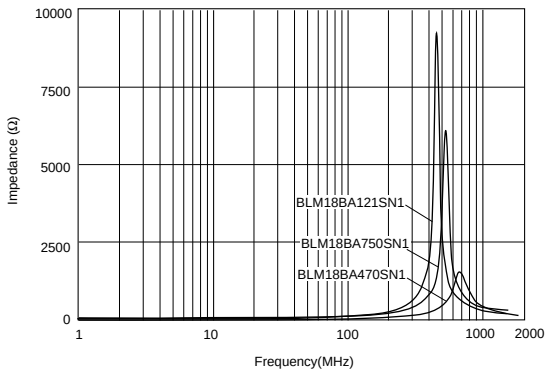
Rated current is 6A for taping type.

■ Impedance-Frequency (Typical)

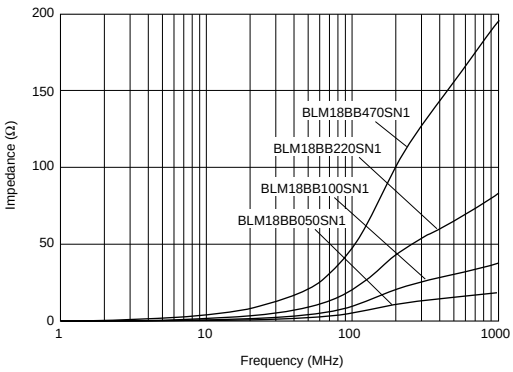
BLM18BA Series



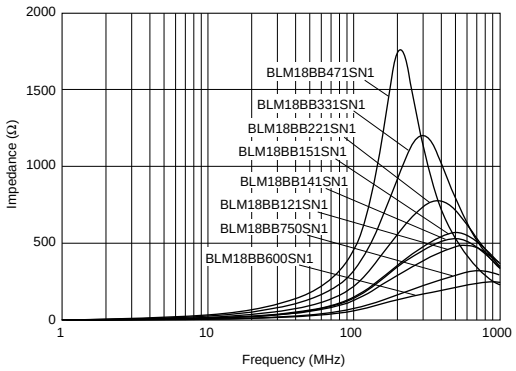
BLM18BA Series



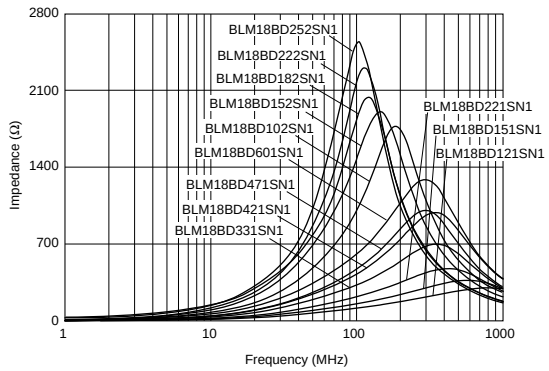
BLM18BB Series



BLM18BB Series



BLM18BD Series



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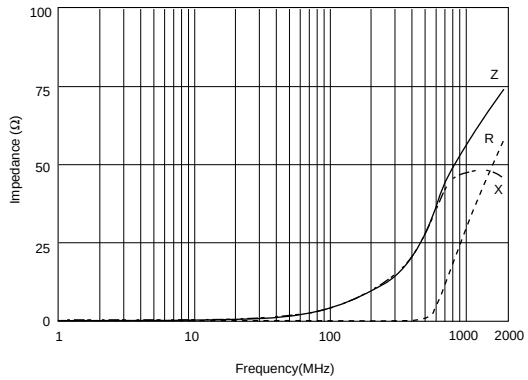
■ Impedance-Frequency Characteristics

BLM18BA050SN1



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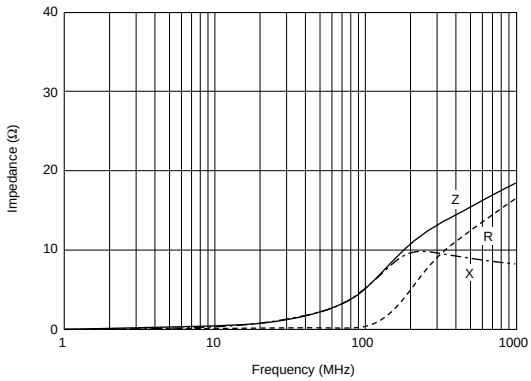
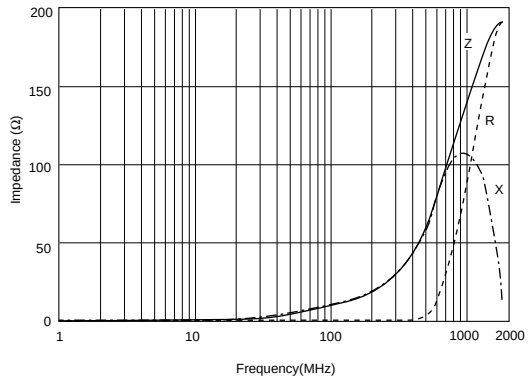
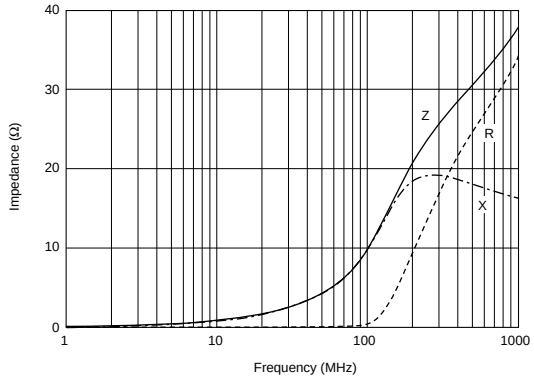


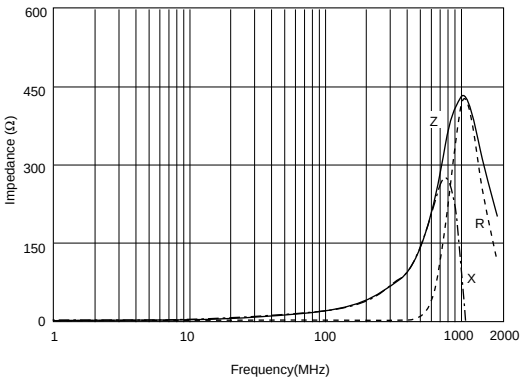
BLM18BA100SN1



BLM18BB100SN1



BLM18BA220SN1



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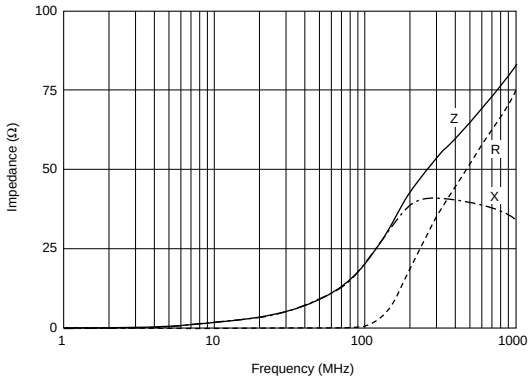
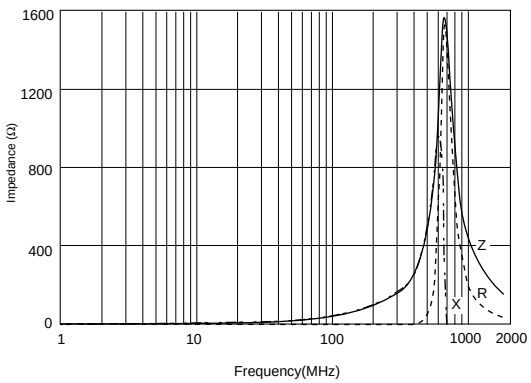


BLM18BA470SN1



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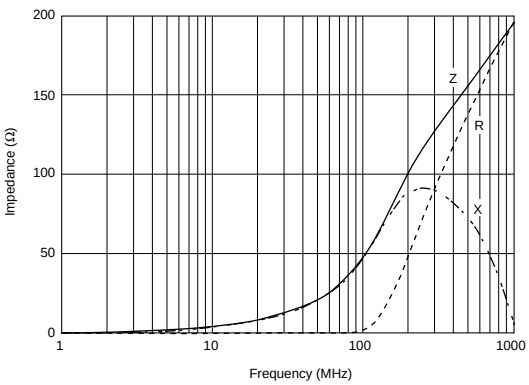

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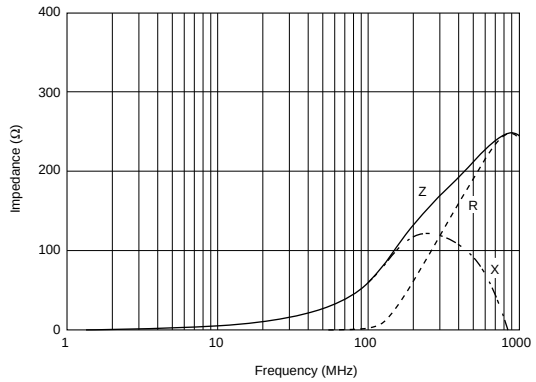
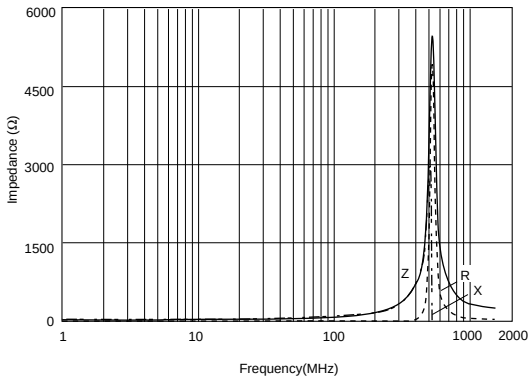
■ Impedance-Frequency Characteristics

BLM18BB600SN1



BLM18BA750SN1



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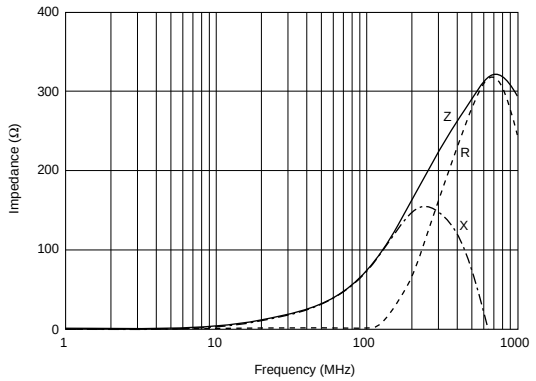
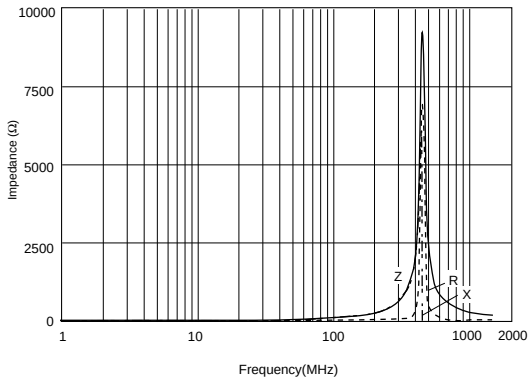


BLM18BA121SN1



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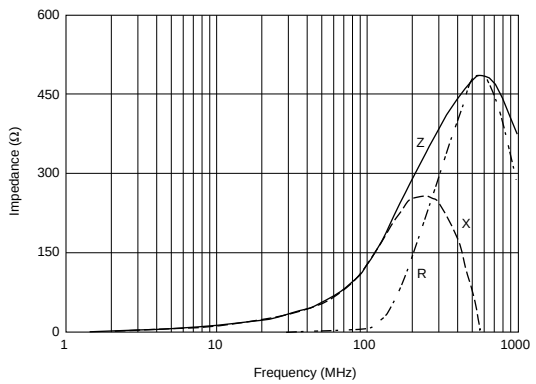

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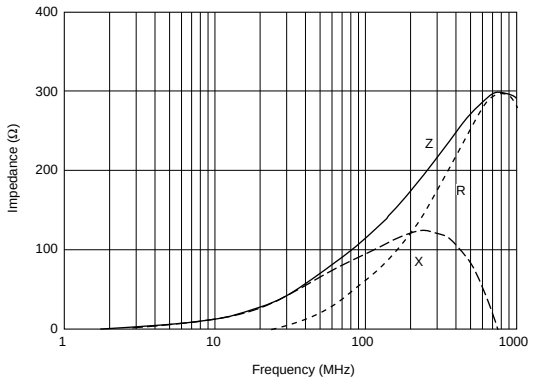
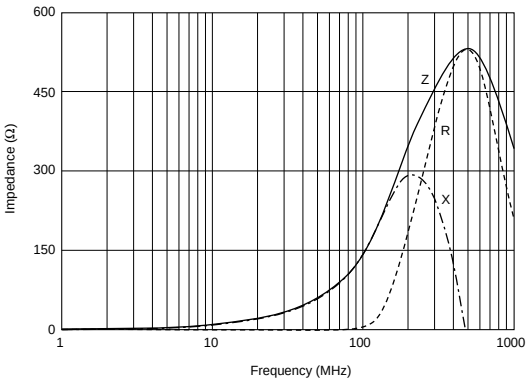
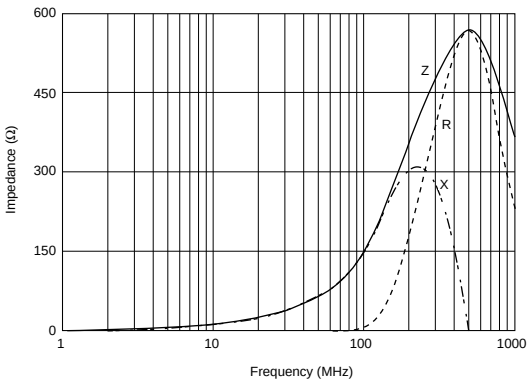


BLM18BB141SN1



BLM18BB151SN1



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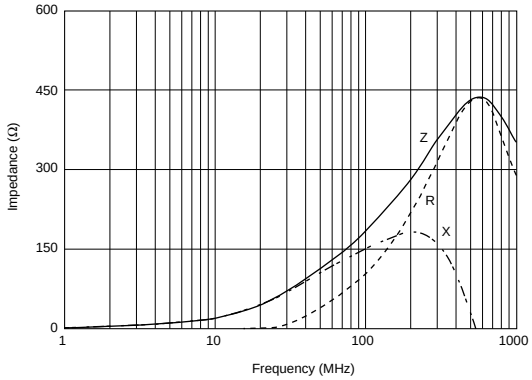
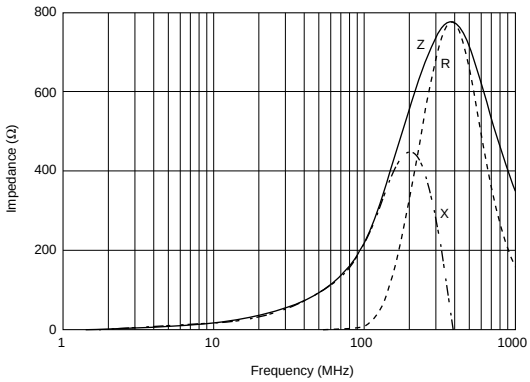
■ Impedance-Frequency Characteristics

BLM18BD151SN1



BLM18BB221SN1



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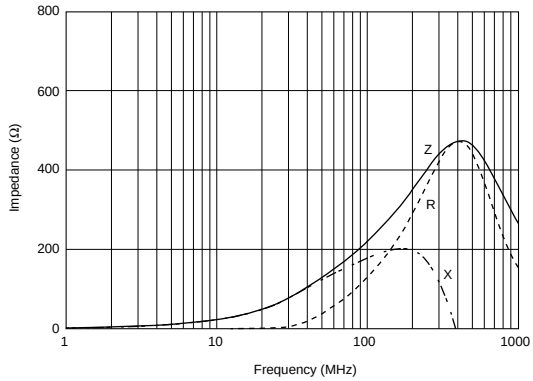

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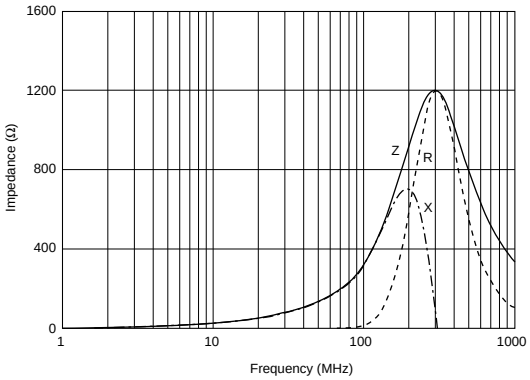

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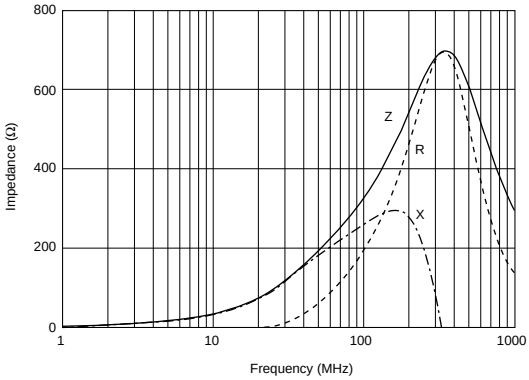
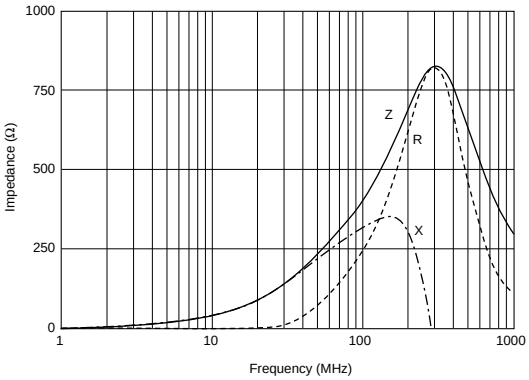


BLM18BD421SN1



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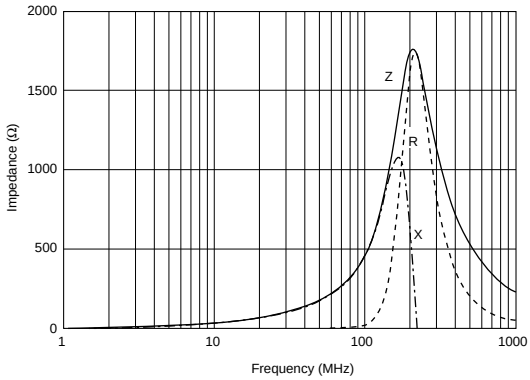

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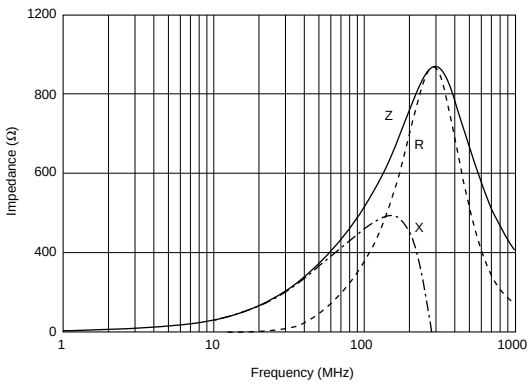

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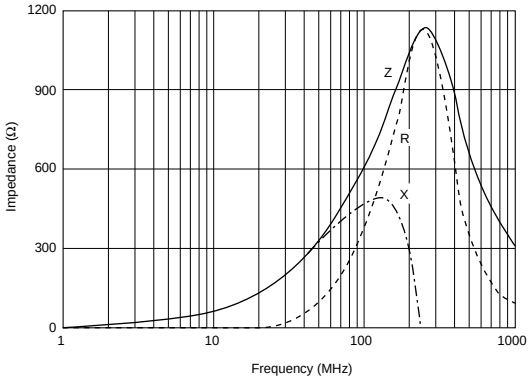
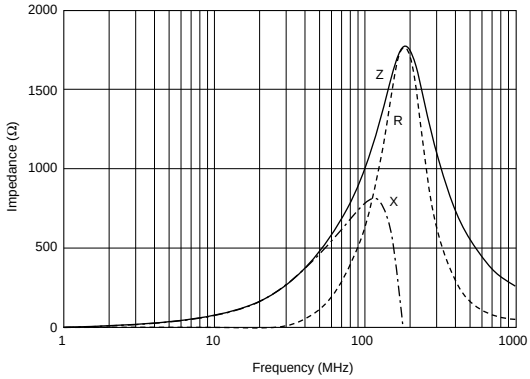
■ Impedance-Frequency Characteristics

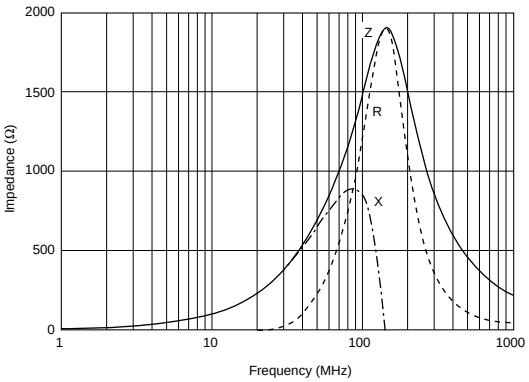
BLM18BD601SN1



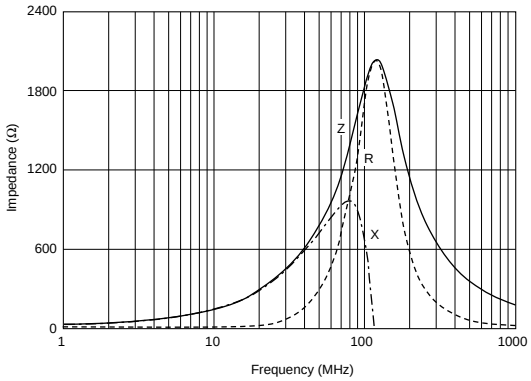
BLM18BD102SN1



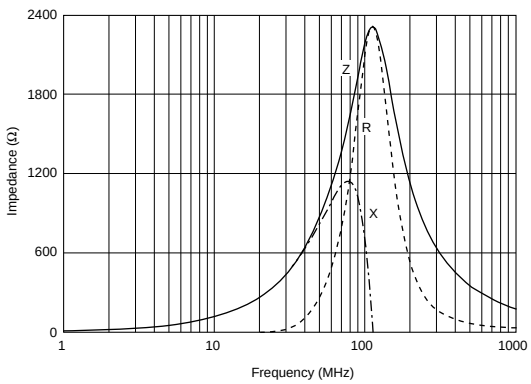
BLM18BD152SN1



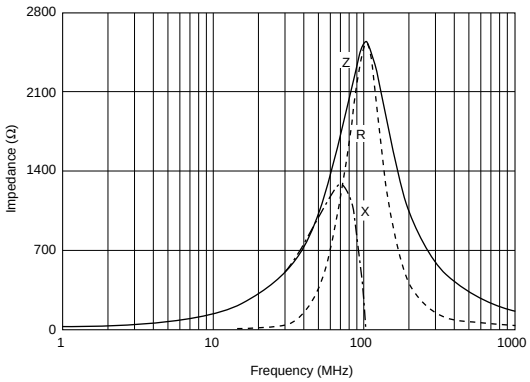
BLM18BD182SN1



BLM18BD222SN1



BLM18BD252SN1



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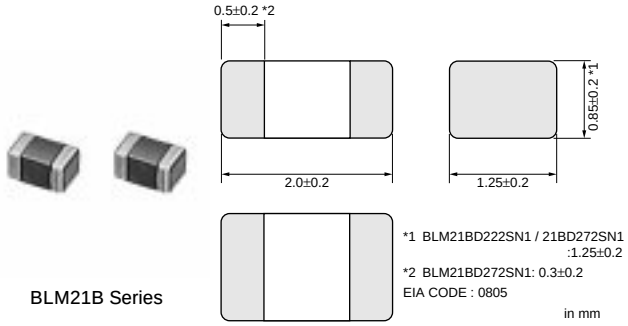
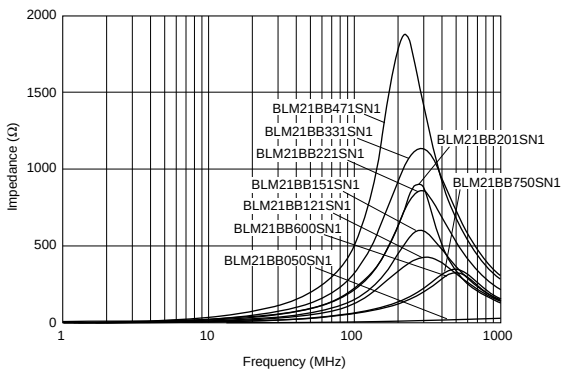
BLM21B Series (0805 Size)



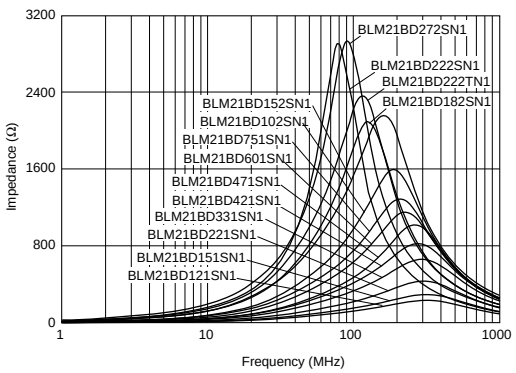
Part Number	Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM21BB050SN1	5 ±25%	500	0.07	-55 to 125
BLM21BB600SN1	60 ±25%	200	0.20	-55 to 125
BLM21BB750SN1	75 ±25%	200	0.25	-55 to 125
BLM21BB121SN1	120 ±25%	200	0.25	-55 to 125
BLM21BD121SN1	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)

BLM21BB Series



BLM21BD Series



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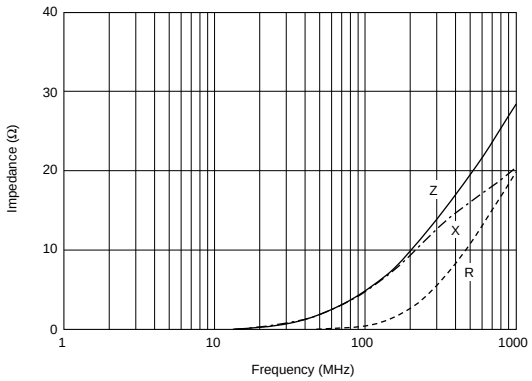
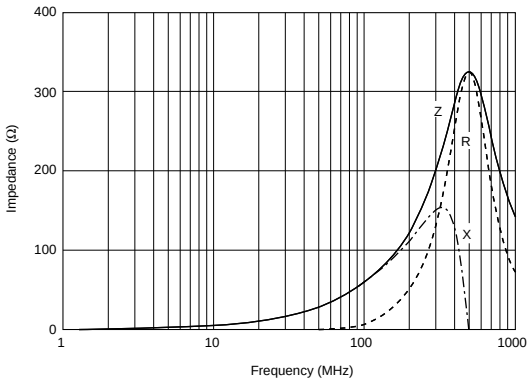
■ Impedance-Frequency Characteristics

BLM21BB050SN1



BLM21BB600SN1



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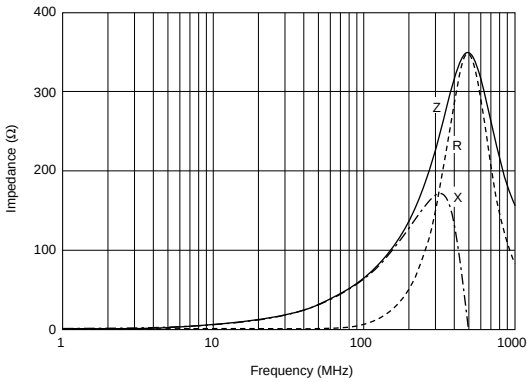
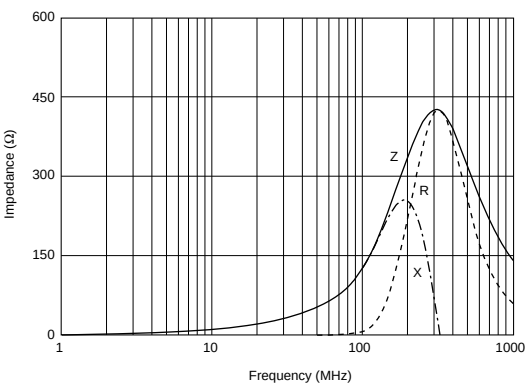
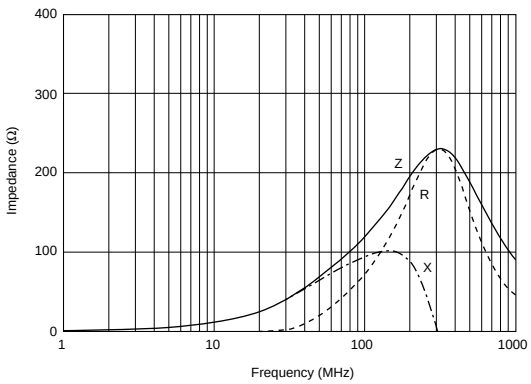


BLM21BB121SN1



BLM21BD121SN1



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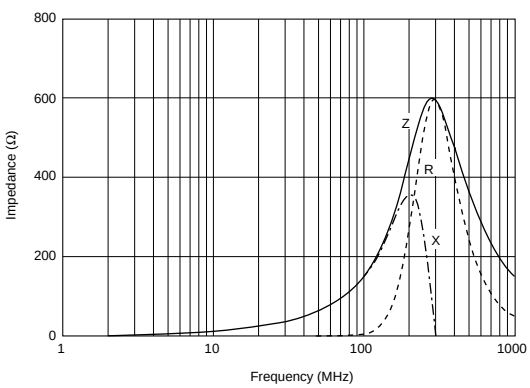

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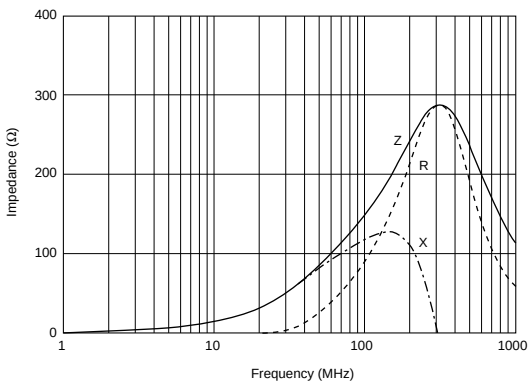
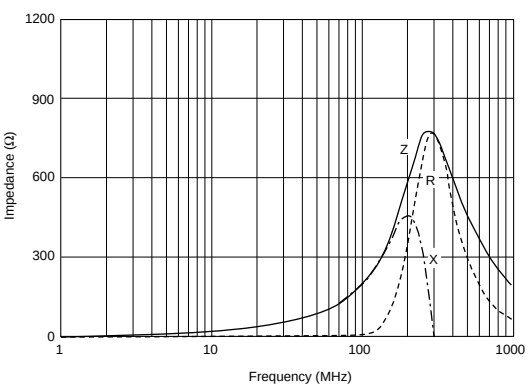


BLM21BB201SN1



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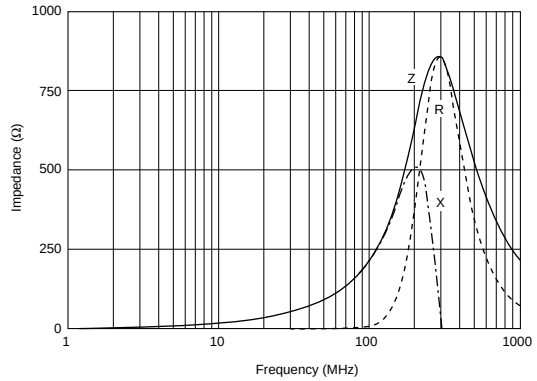
■ Impedance-Frequency Characteristics

BLM21BB221SN1



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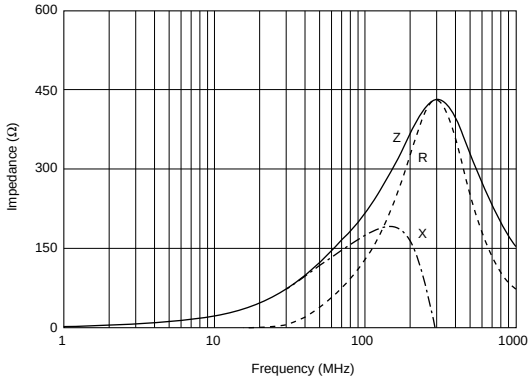

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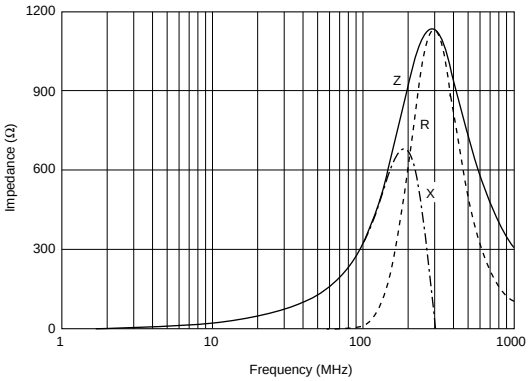

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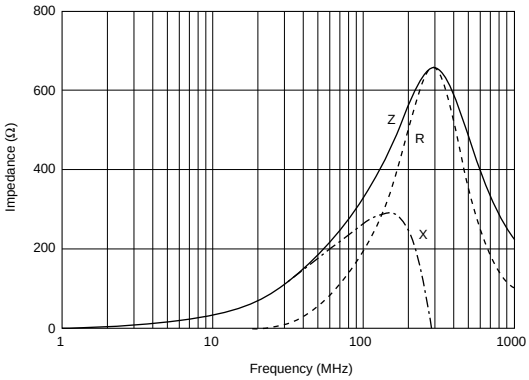
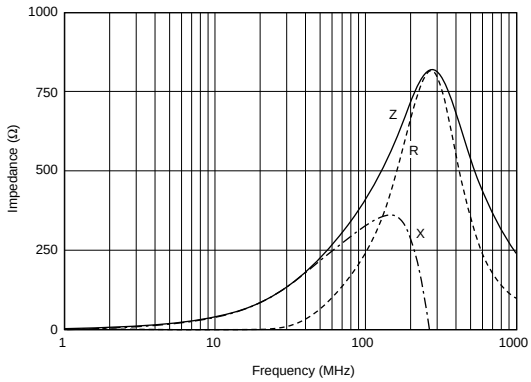
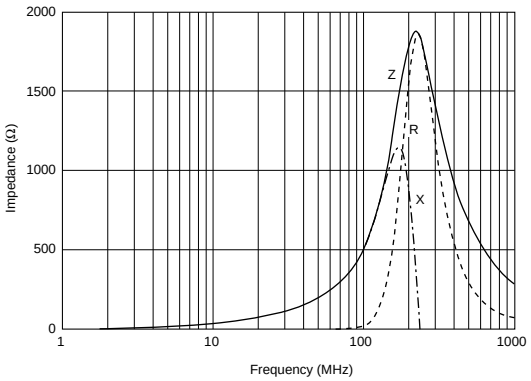


BLM21BD421SN1



BLM21BB471SN1



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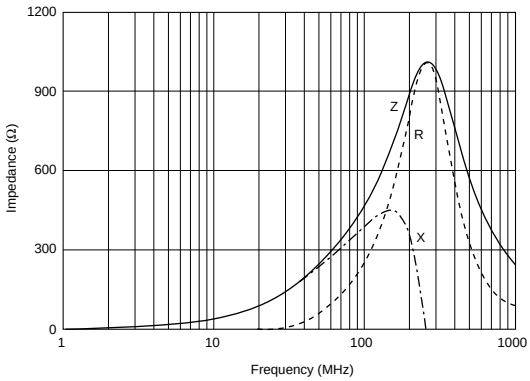
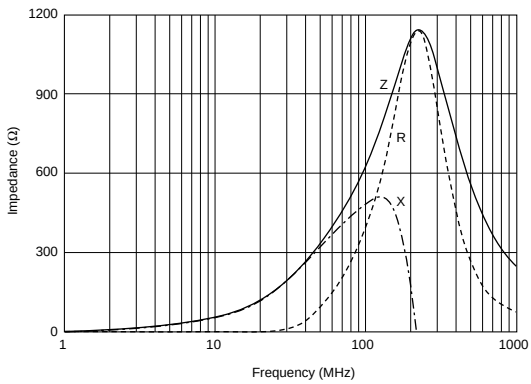


BLM21BD601SN1



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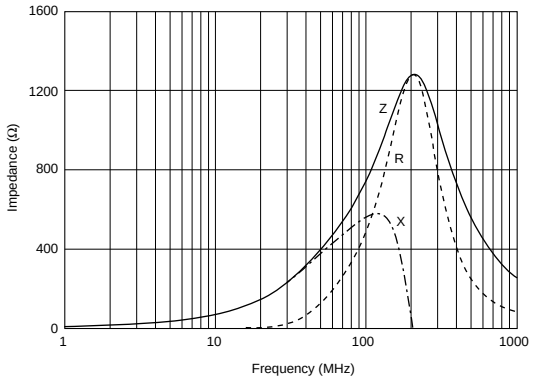
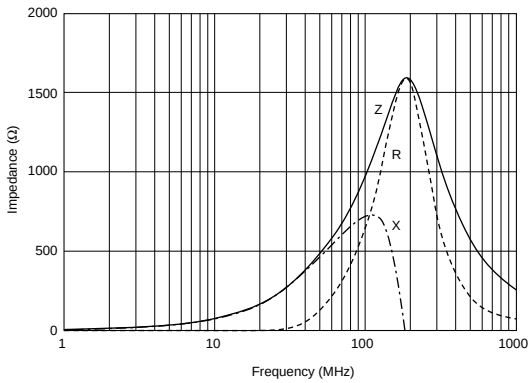
■ Impedance-Frequency Characteristics

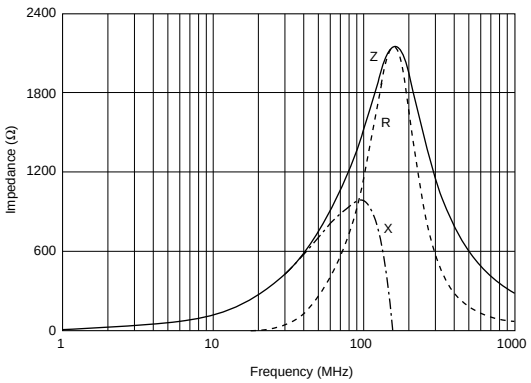
BLM21BD751SN1



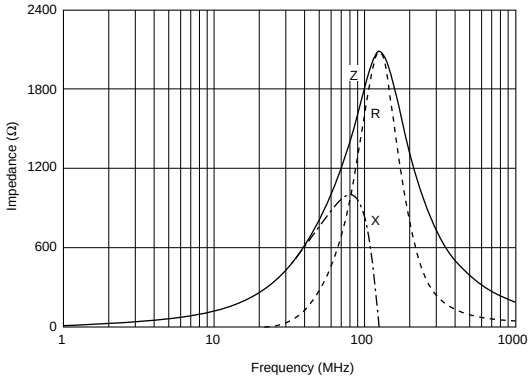
BLM21BD102SN1



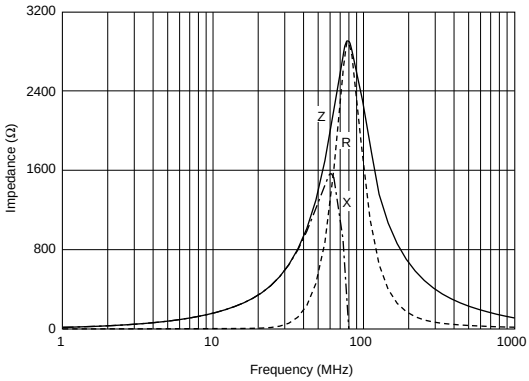
BLM21BD152SN1



BLM21BD182SN1



BLM21BD222TN1



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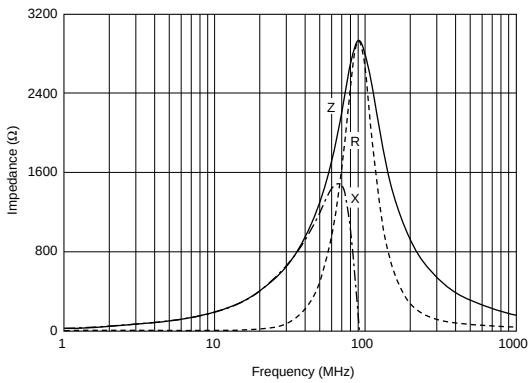
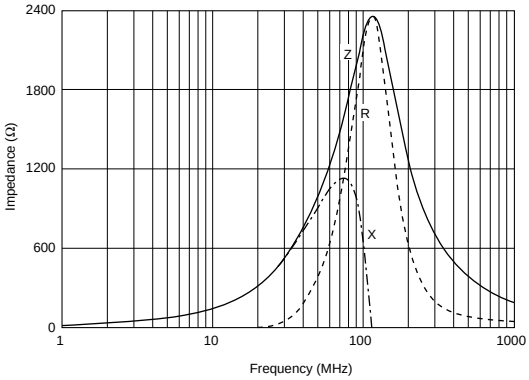
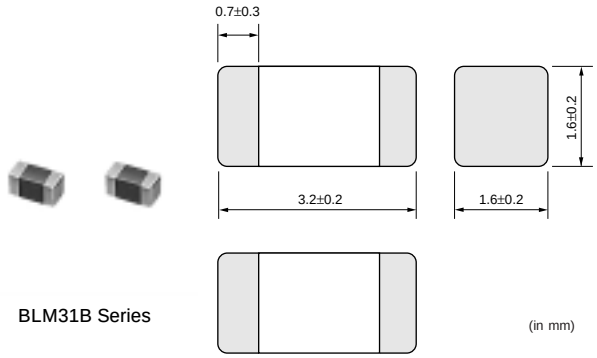


BLM21BD272SN1



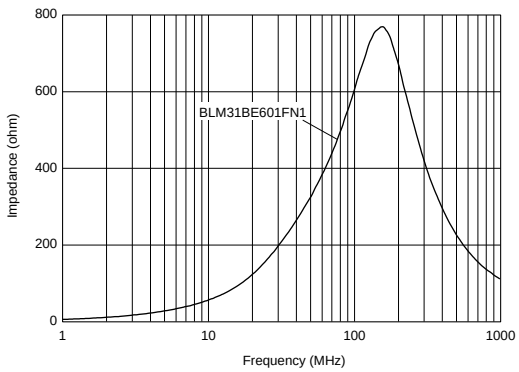
BLM31B Series (1206 Size)



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

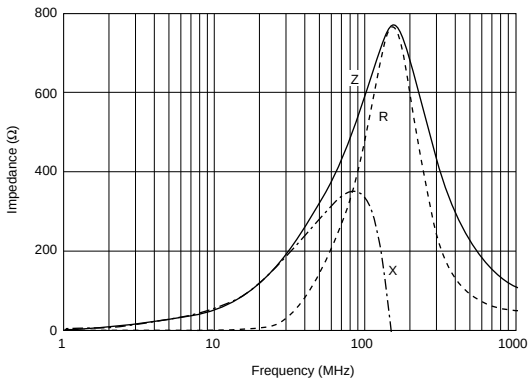
■ Impedance-Frequency (Typical)

BLM31B Series



■ Impedance-Frequency Characteristics

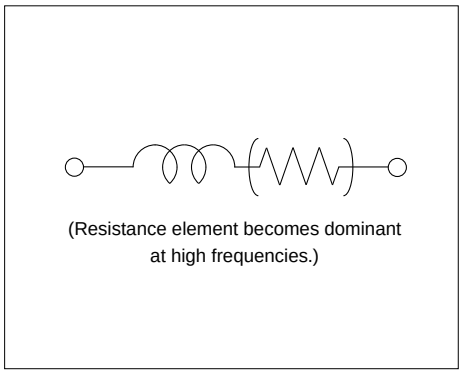
BLM31BE601FN1



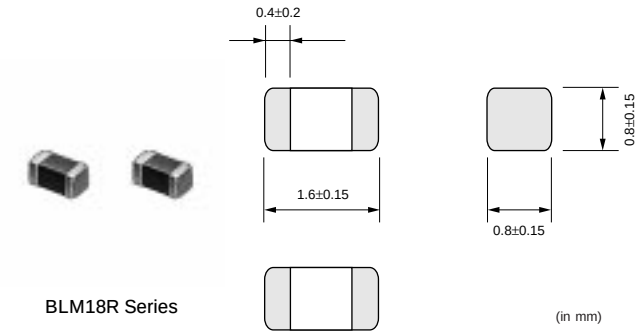
■ Features (BLM_R Series)

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 especiallly grows in the lower frequency range. Therefore BLM_R series is less effect for Digital signal waveform at low frequncy range and can suppress the ringing.

■ Equivalent Circuit



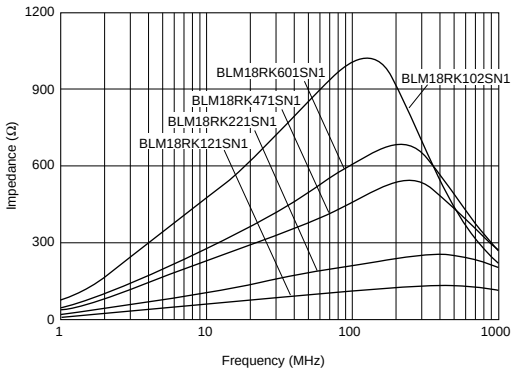
BLM18R Series (0603 Size)



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

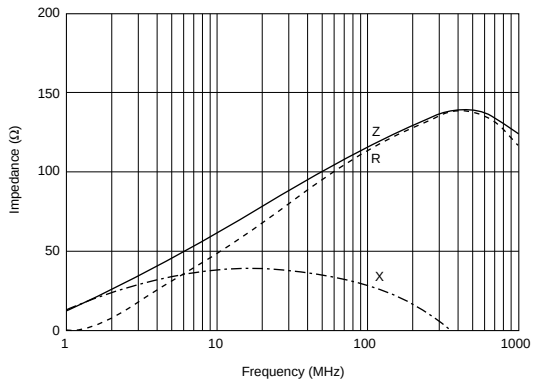
■ Impedance-Frequency (Typical)

BLM18R Series

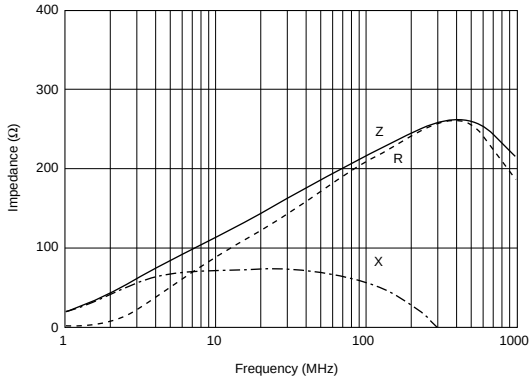


■ Impedance-Frequency Characteristics

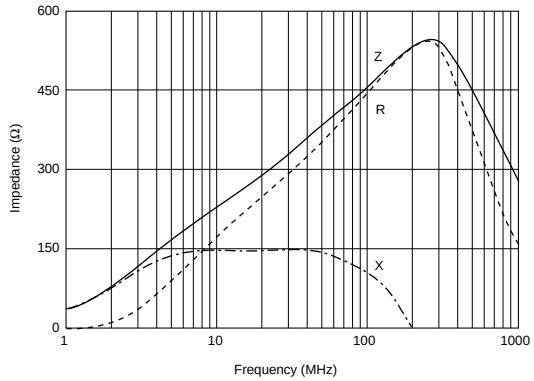
BLM18RK121SN1



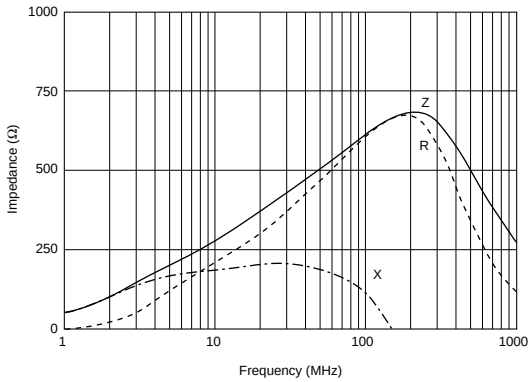
BLM18RK221SN1



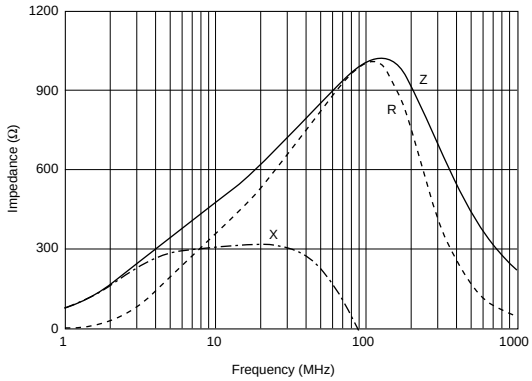
BLM18RK471SN1



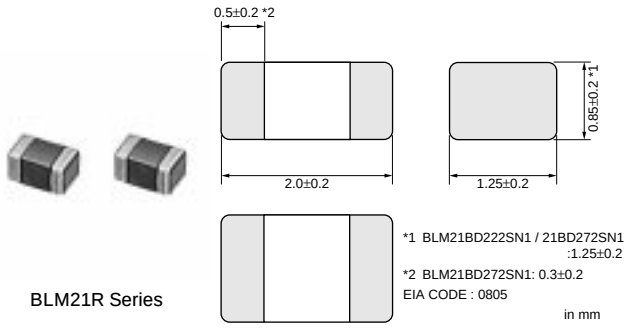
BLM18RK601SN1



BLM18RK102SN1



BLM21R Series (0805 Size)

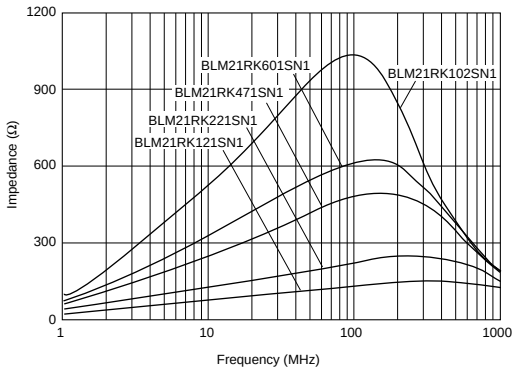


BLM21R Series

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

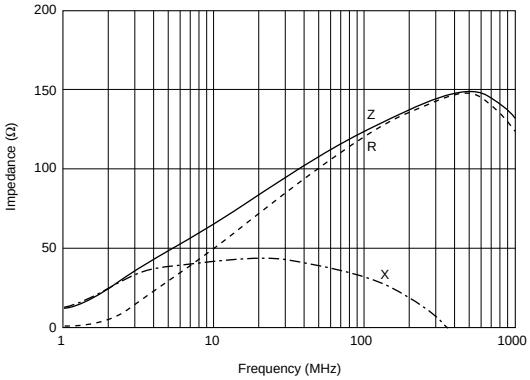
■ Impedance-Frequency (Typical)

BLM21R Series

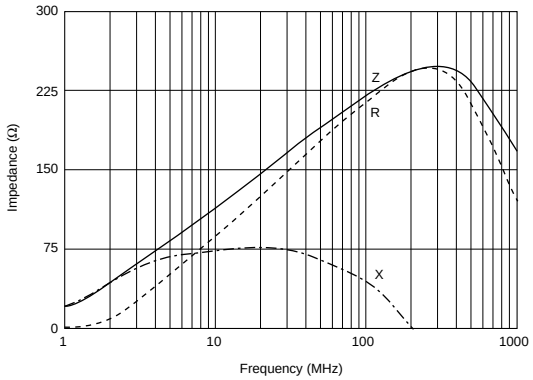


■ Impedance-Frequency Characteristics

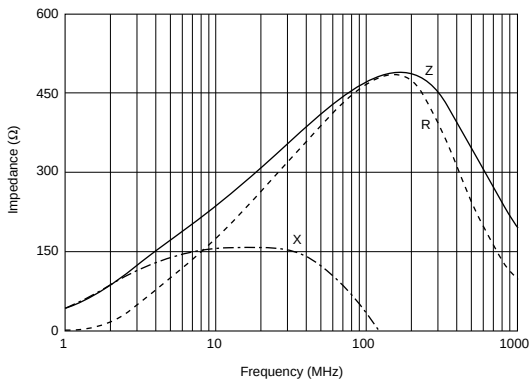
BLM21RK121SN1



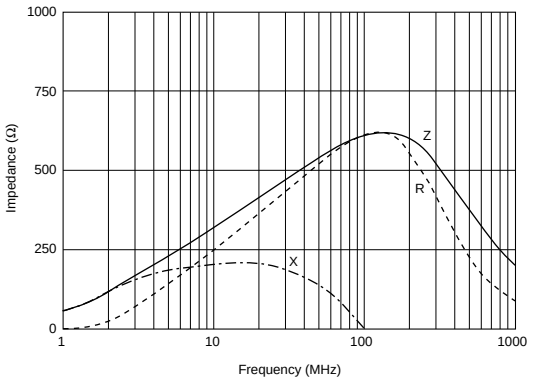
BLM21RK221SN1



BLM21RK471SN1



BLM21RK601SN1



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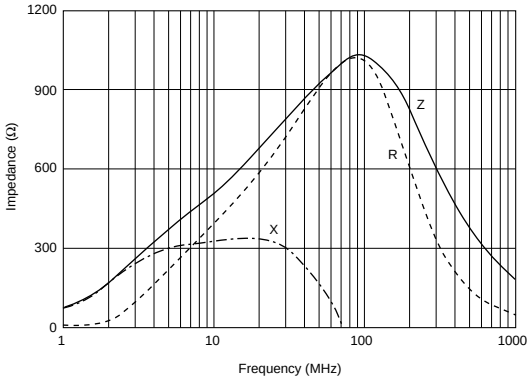
■ Impedance-Frequency Characteristics

BLM21RK102SN1



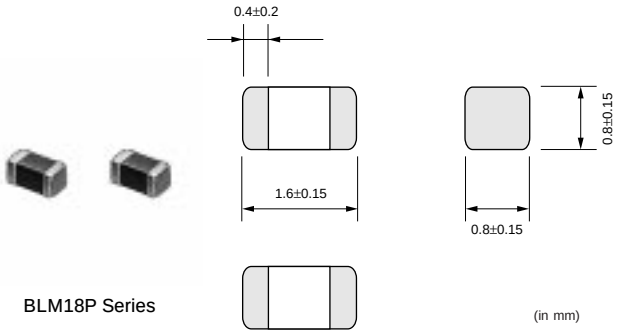
■ Features (BLM_P Series)

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

(Resistance element becomes dominant at high frequencies.)

BLM18P Series (0603 Size)



BLM18P Series

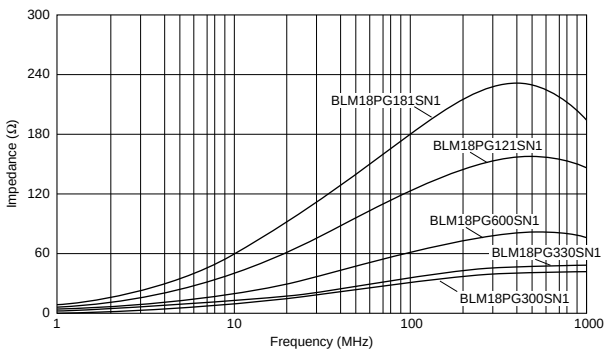
(in mm)

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



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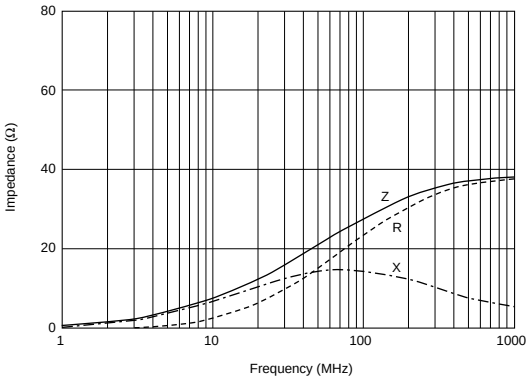
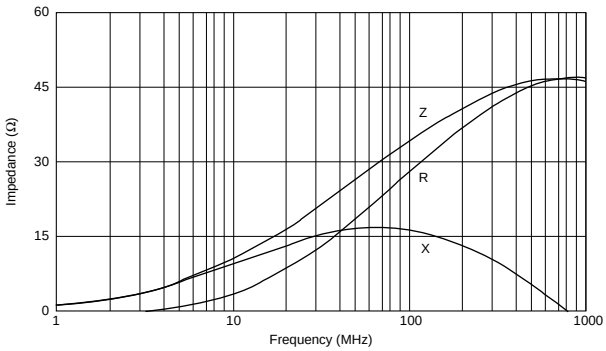
■ Impedance-Frequency Characteristics

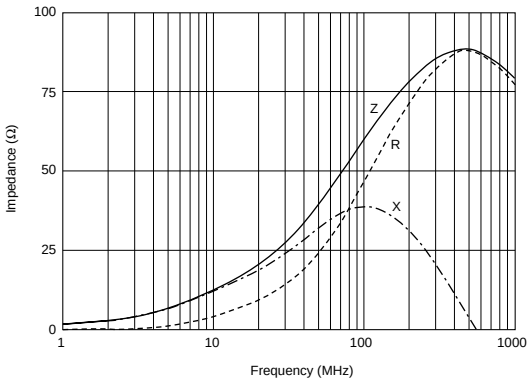
BLM18PG300SN1



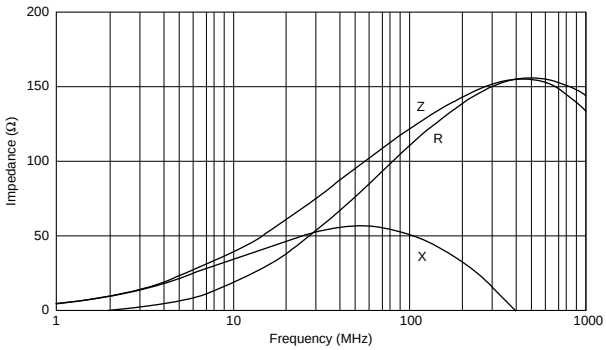
BLM18PG330SN1



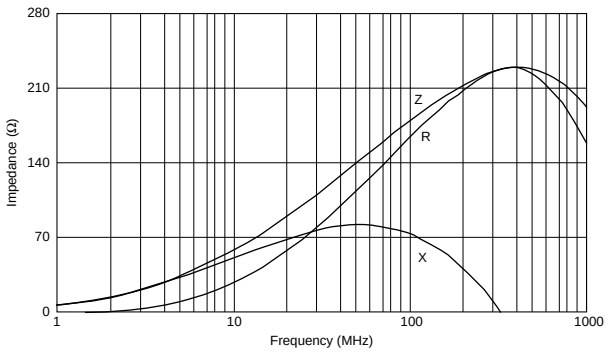
BLM18PG600SN1



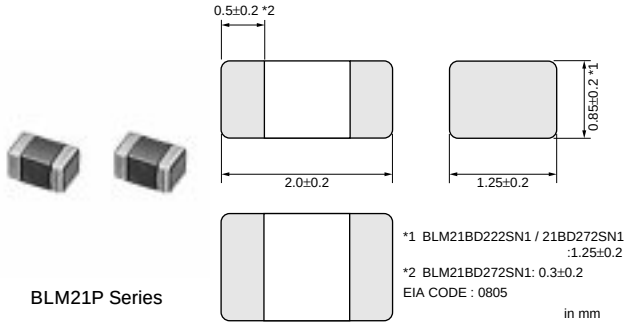
BLM18PG121SN1



BLM18PG181SN1



BLM21P Series (0805 Size)



BLM21P Series

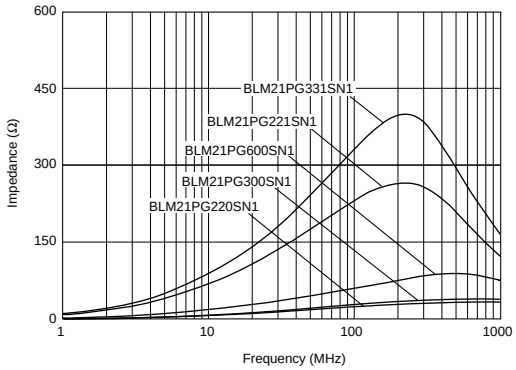
*1 BLM21BD222SN1 / 21BD272SN1 :1.25±0.2
*2 BLM21BD272SN1: 0.3±0.2
EIA CODE : 0805
in mm

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.

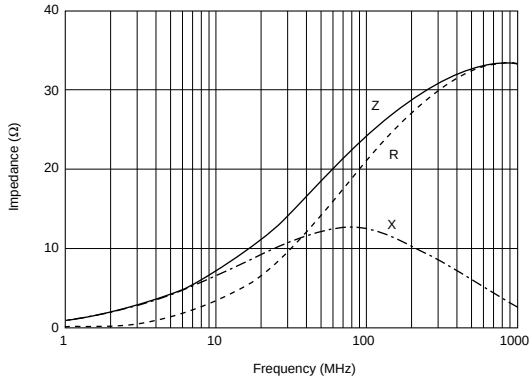
■ Impedance-Frequency (Typical)

BLM21P Series



■ Impedance-Frequency Characteristics

BLM21PG220SN1



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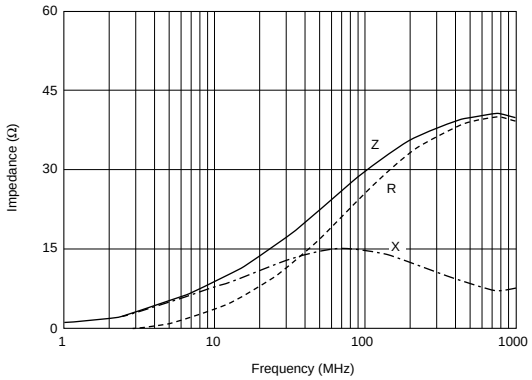

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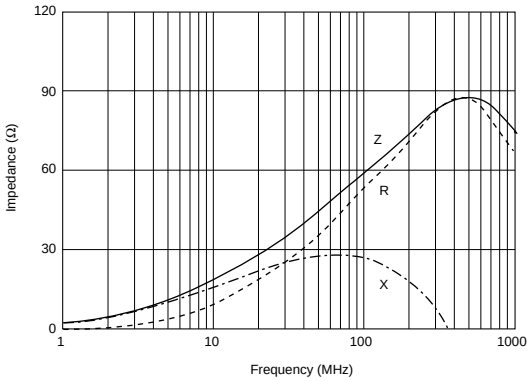
■ Impedance-Frequency Characteristics

BLM21PG600SN1



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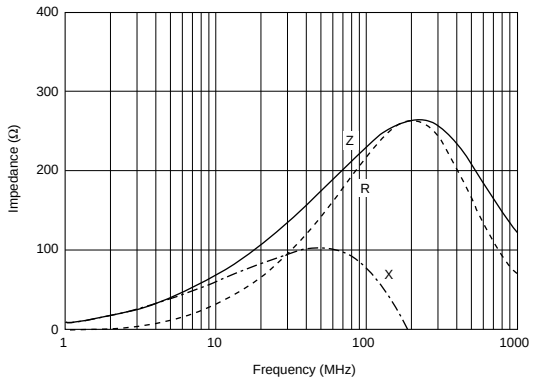
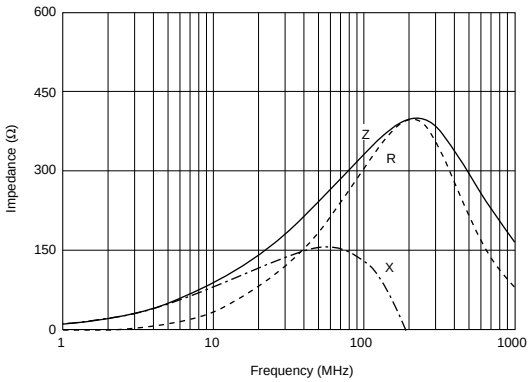
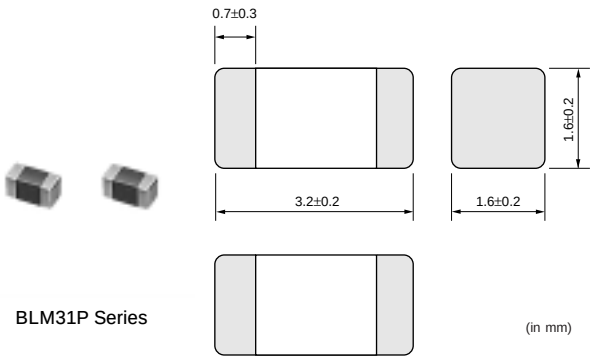


BLM21PG331SN1



BLM31P Series (1206 Size)



BLM31P Series

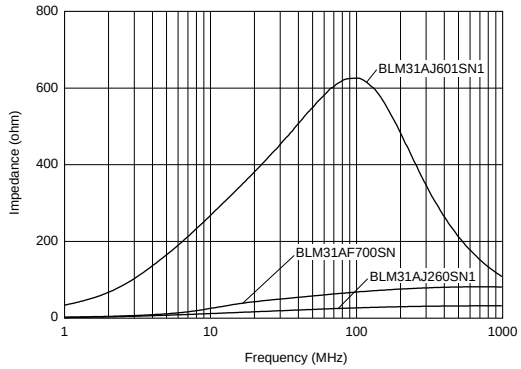
(in mm)

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.

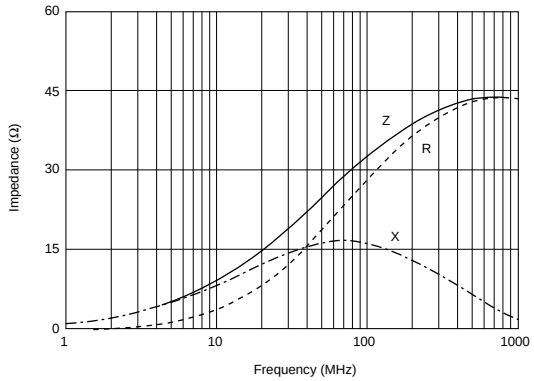
■ Impedance-Frequency (Typical)

BLM31P Series

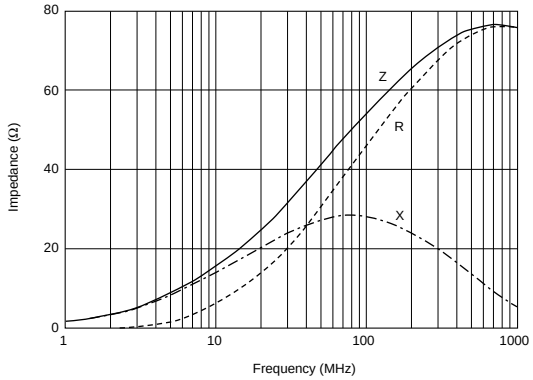


■ Impedance-Frequency Characteristics

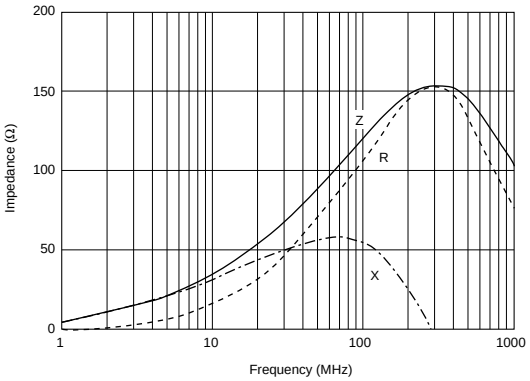
BLM31PG330SN1



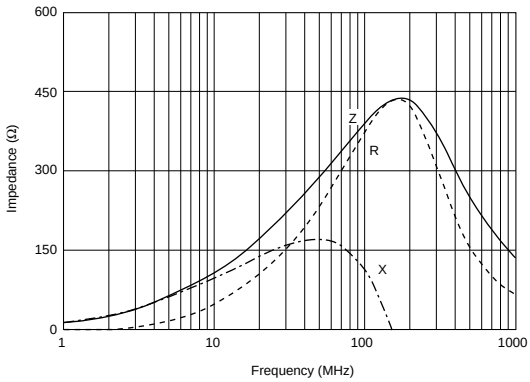
BLM31PG500SN1



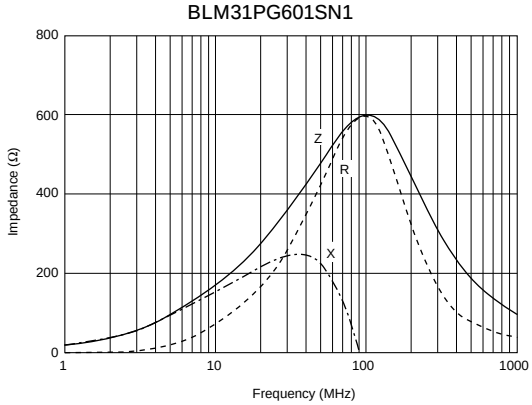
BLM31PG121SN1



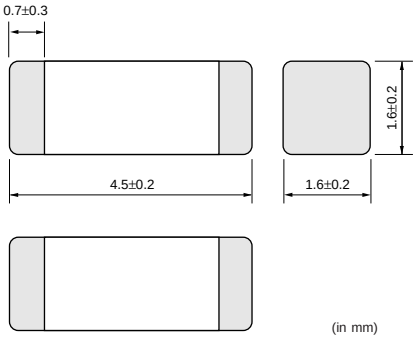
BLM31PG391SN1



BLM31PG601SN1



BLM41P Series (1806 Size)



BLM41P Series

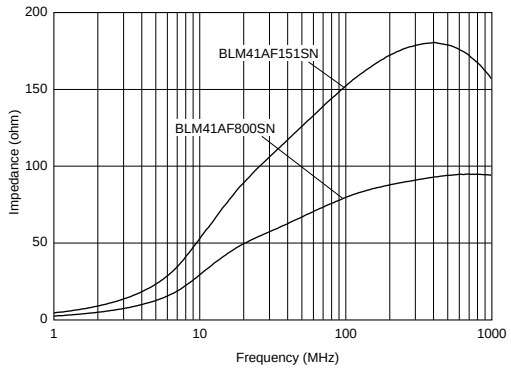
(in mm)

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

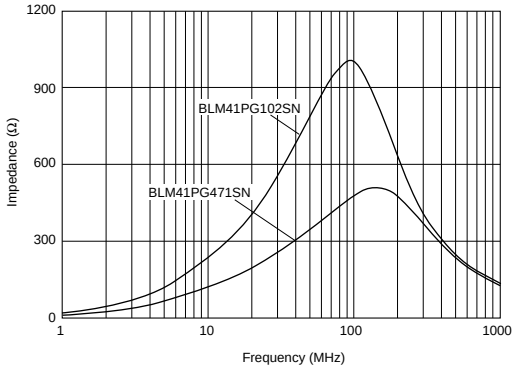
When the BLM_P series is for Large-current used in operating temperatures exceeding +85 °C, derating of current is necessary.
Please apply the derating curve shown in Notice (Rating) of BLM_P series according to the operating temperature.

■ Impedance-Frequency (Typical)

BLM41P Series (80-180ohm)

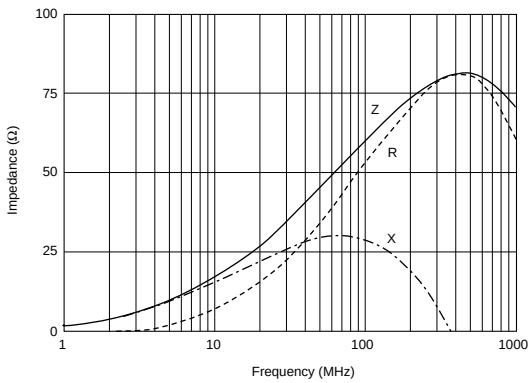


BLM41P Series (470-1000ohm)

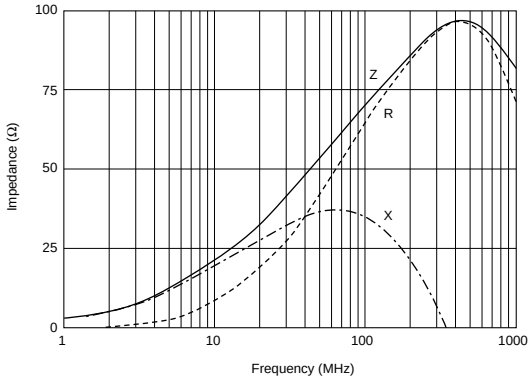


■ Impedance-Frequency Characteristics

BLM41PG600SN1



BLM41PG750SN1



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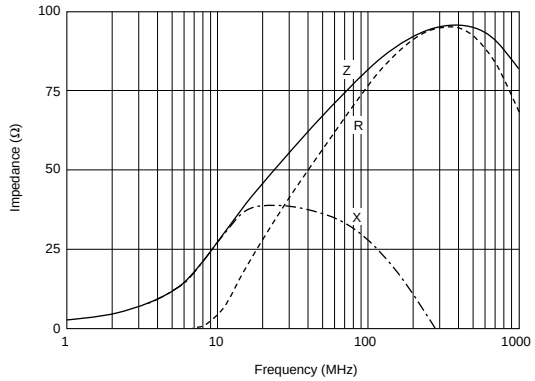
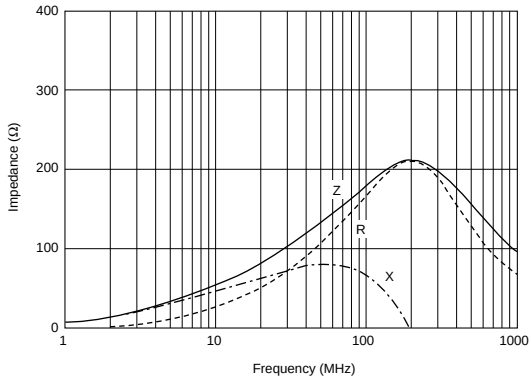
■ Impedance-Frequency Characteristics

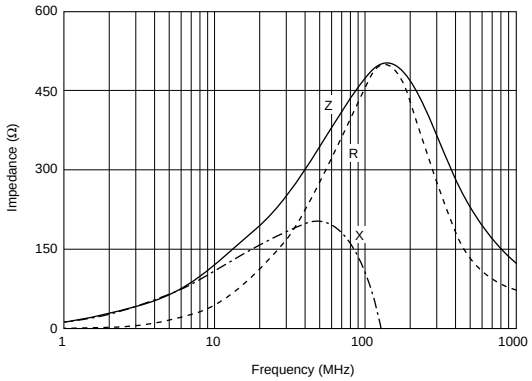
BLM41PF800SN1



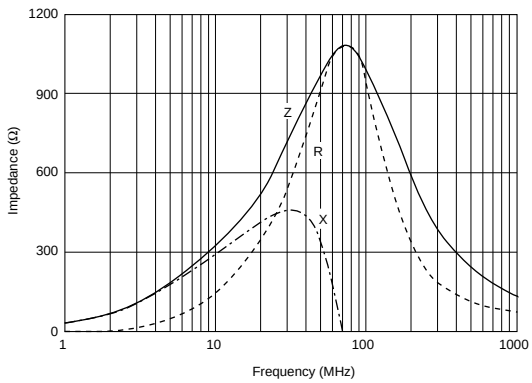
BLM41PG181SN1



BLM41PG471SN1



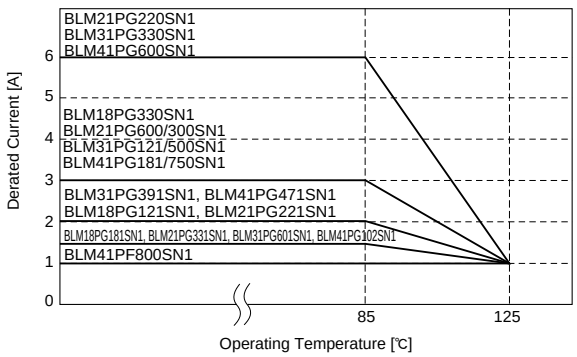
BLM41PG102SN1



■ Notice (Rating)

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

[Derating]



射 频 和 天 线 设 计 培 训 课 程 推 荐

易迪拓培训(www.edatop.com)由数名来自于研发第一线的资深工程师发起成立，致力并专注于微波、射频、天线设计研发人才的培养；我们于 2006 年整合合并微波 EDA 网(www.mweda.com)，现已发展成为国内最大的微波射频和天线设计人才培养基地，成功推出多套微波射频以及天线设计经典培训课程和 ADS、HFSS 等专业软件使用培训课程，广受客户好评；并先后与人民邮电出版社、电子工业出版社合作出版了多本专业图书，帮助数万名工程师提升了专业技术能力。客户遍布中兴通讯、研通高频、埃威航电、国人通信等多家国内知名公司，以及台湾工业技术研究院、永业科技、全一电子等多家台湾地区企业。

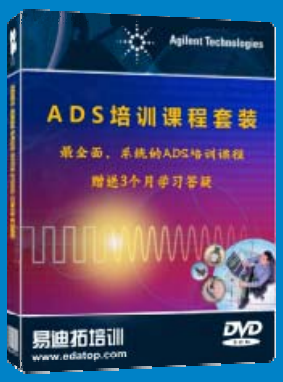
易迪拓培训课程列表：http://www.edatop.com/peixun/rfe/129.html

射频工程师养成培训课程套装

该套装精选了射频专业基础培训课程、射频仿真设计培训课程和射频电路测量培训课程三个类别共 30 门视频培训课程和 3 本图书教材；旨在引领学员全面学习一个射频工程师需要熟悉、理解和掌握的专业知识和研发设计能力。通过套装的学习，能够让学员完全达到和胜任一个合格的射频工程师的要求…

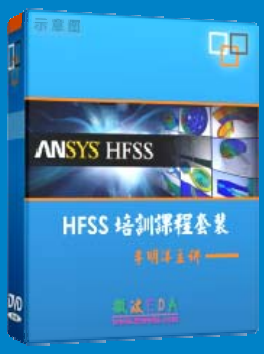
课程网址：http://www.edatop.com/peixun/rfe/110.html

ADS 学习培训课程套装



该套装是迄今国内最全面、最权威的 ADS 培训教程，共包含 10 门 ADS 学习培训课程。课程是由具有多年 ADS 使用经验的微波射频与通信系统设计领域资深专家讲解，并多结合设计实例，由浅入深、详细而又全面地讲解了 ADS 在微波射频电路设计、通信系统设计和电磁仿真设计方面的内容。能让您在最短的时间内学会使用 ADS，迅速提升个人技术能力，把 ADS 真正应用到实际研发工作中去，成为 ADS 设计专家...

课程网址： http://www.edatop.com/peixun/ads/13.html



HFSS 学习培训课程套装

该套课程套装包含了本站全部 HFSS 培训课程，是迄今国内最全面、最专业的 HFSS 培训教程套装，可以帮助您从零开始，全面深入学习 HFSS 的各项功能和在多个方面的工程应用。购买套装，更可超值赠送 3 个月免费学习答疑，随时解答您学习过程中遇到的棘手问题，让您的 HFSS 学习更加轻松顺畅…

课程网址：http://www.edatop.com/peixun/hfss/11.html

CST 学习培训课程套装

该培训套装由易迪拓培训联合微波 EDA 网共同推出，是最全面、系统、专业的 CST 微波工作室培训课程套装，所有课程都由经验丰富的专家授课，视频教学，可以帮助您从零开始，全面系统地学习 CST 微波工作的各项功能及其在微波射频、天线设计等领域的设计应用。且购买该套装，还可超值赠送 3 个月免费学习答疑…

课程网址：http://www.edatop.com/peixun/cst/24.html

HFSS 天线设计培训课程套装

套装包含 6 门视频课程和 1 本图书，课程从基础讲起，内容由浅入深，理论介绍和实际操作讲解相结合，全面系统的讲解了 HFSS 天线设计的全过程。是国内最全面、最专业的 HFSS 天线设计课程，可以帮助您快速学习掌握如何使用 HFSS 设计天线，让天线设计不再难…

课程网址：http://www.edatop.com/peixun/hfss/122.html

13.56MHz NFC/RFID 线圈天线设计培训课程套装

套装包含 4 门视频培训课程，培训将 13.56MHz 线圈天线设计原理和仿真设计实践相结合，全面系统地讲解了 13.56MHz 线圈天线的工作原理、设计方法、设计考量以及使用 HFSS 和 CST 仿真分析线圈天线的具体操作，同时还介绍了 13.56MHz 线圈天线匹配电路的设计和调试。通过该套课程的学习，可以帮助您快速学习掌握 13.56MHz 线圈天线及其匹配电路的原理、设计和调试…

详情浏览：http://www.edatop.com/peixun/antenna/116.html

我们的课程优势：

※ 成立于 2004 年，10 多年丰富的行业经验，

※ 一直致力并专注于微波射频和天线设计工程师的培养，更了解该行业对人才的要求

※ 经验丰富的一线资深工程师讲授，结合实际工程案例，直观、实用、易学

联系我们：

※ 易迪拓培训官网：http://www.edatop.com

※ 微波 EDA 网：http://www.mweda.com

※ 官方淘宝店：http://shop36920890.taobao.com