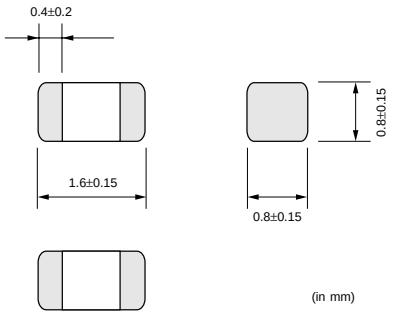
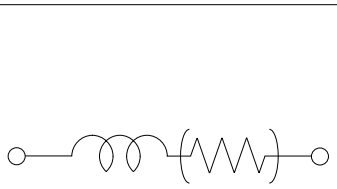
Chip EMIFIL® Inductor Type for GHz Noise Chip Ferrite Beads

BLM18H Series (0603 Size)

■ Dimension



■ Equivalent Circuit



(Resistance element becomes dominant at high frequencies.)

■ Packaging

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

■ Rated Value (☐: packaging code)

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

Continued on the following page.

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

⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

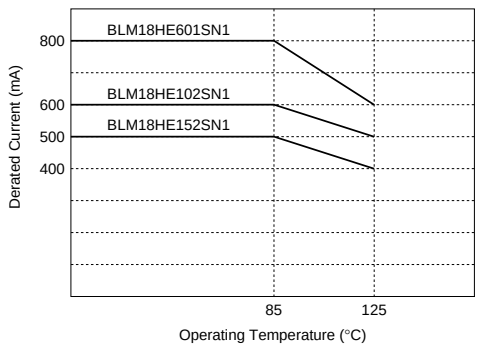
muRata Murata Manufacturing Co., Ltd.
http://www.murata.com/

Continued from the preceding page.

■ Notice (Rating)

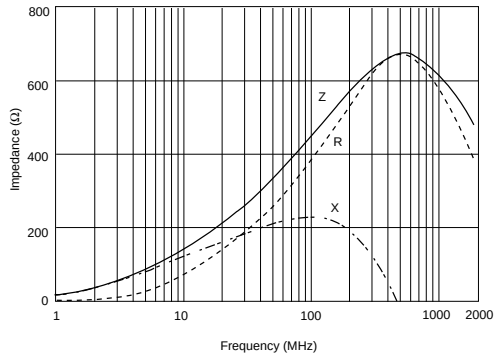
In operating temperature exceeding +85°C, derating of current is necessary for BLM18HE series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating



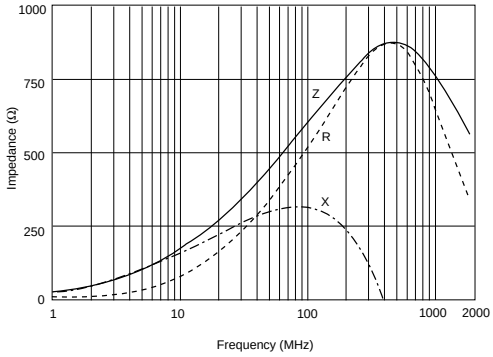
■ Impedance-Frequency Characteristics

BLM18HG471SN1



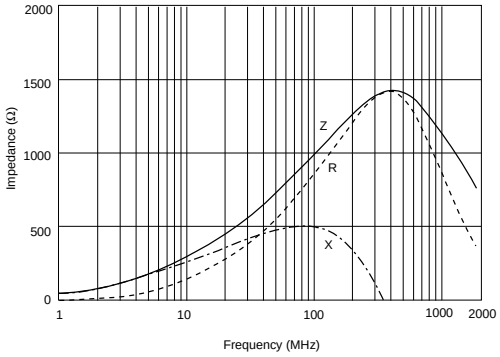
■ Impedance-Frequency Characteristics

BLM18HG601SN1



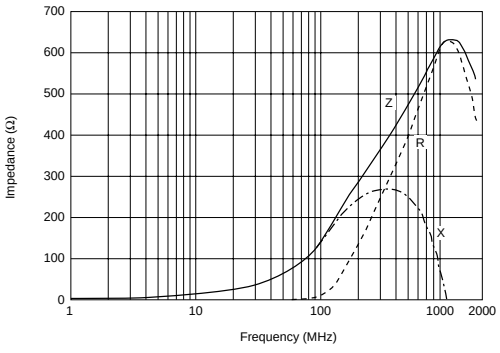
■ Impedance-Frequency Characteristics

BLM18HG102SN1



■ Impedance-Frequency Characteristics

BLM18HB121SN1



Continued on the following page.

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

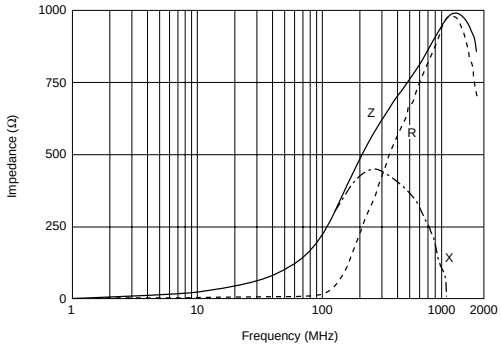
⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

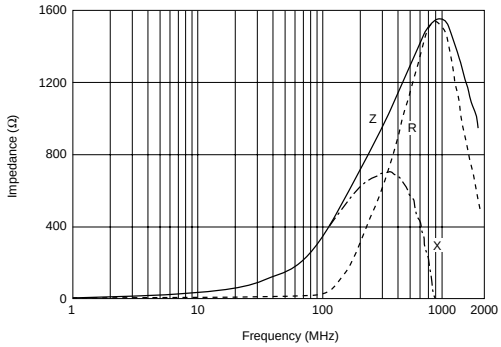
■ Impedance-Frequency Characteristics

BLM18HB221SN1



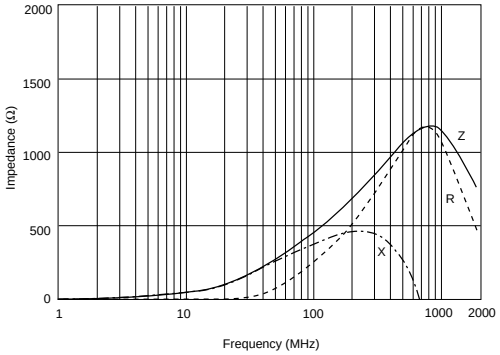
■ Impedance-Frequency Characteristics

BLM18HB331SN1



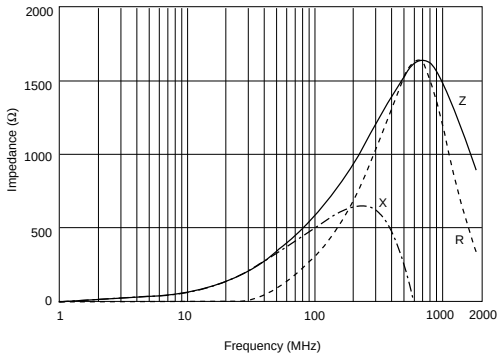
■ Impedance-Frequency Characteristics

BLM18HD471SN1



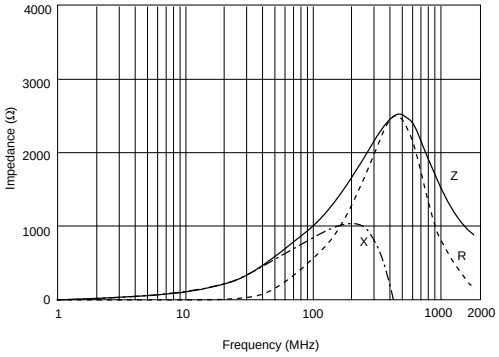
■ Impedance-Frequency Characteristics

BLM18HD601SN1



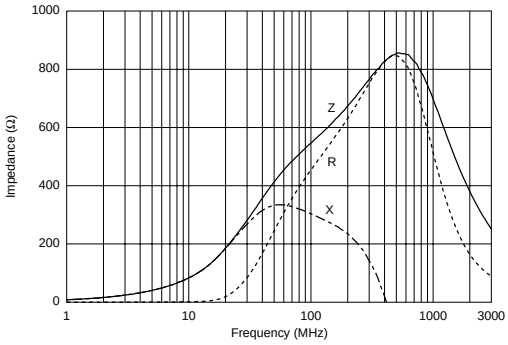
■ Impedance-Frequency Characteristics

BLM18HD102SN1



■ Impedance-Frequency Characteristics

BLM18HE601SN1



Continued on the following page.

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

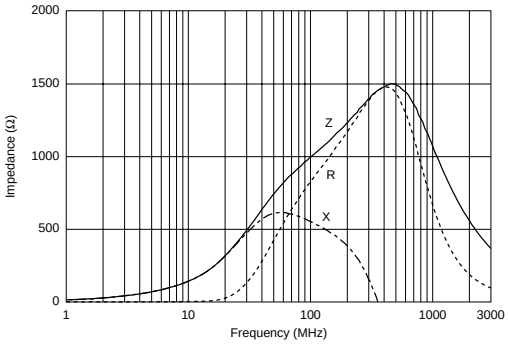
⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

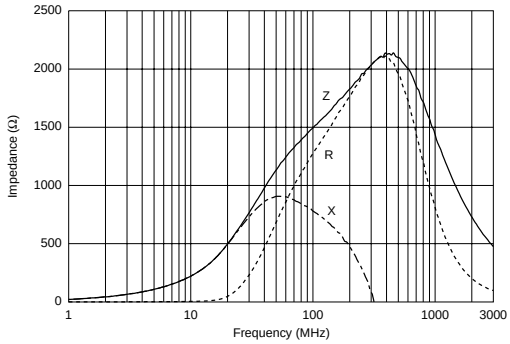
■ Impedance-Frequency Characteristics

BLM18HE102SN1



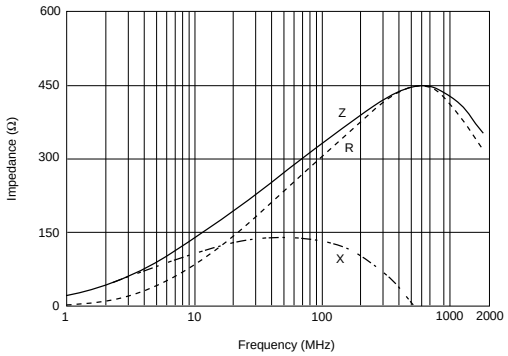
■ Impedance-Frequency Characteristics

BLM18HE152SN1



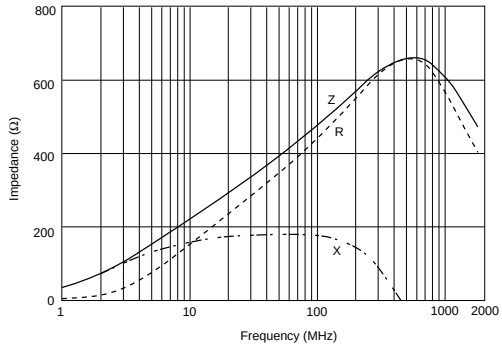
■ Impedance-Frequency Characteristics

BLM18HK331SN1



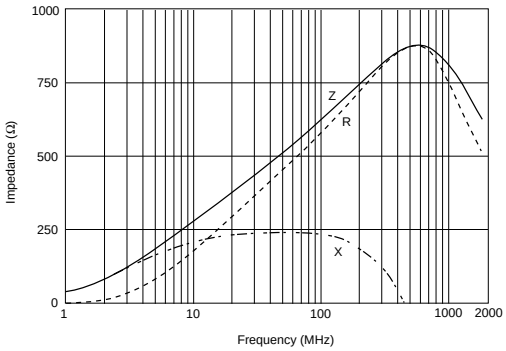
■ Impedance-Frequency Characteristics

BLM18HK471SN1



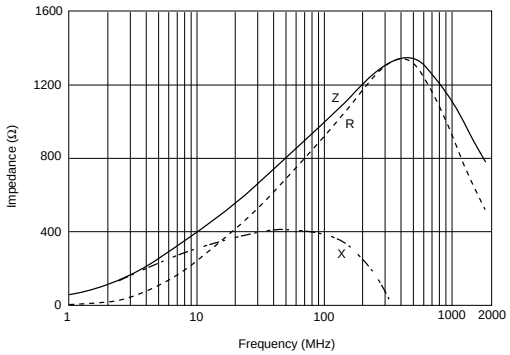
■ Impedance-Frequency Characteristics

BLM18HK601SN1



■ Impedance-Frequency Characteristics

BLM18HK102SN1



Continued on the following page.

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

⚠ Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

■ ⚠Caution/Notice

⚠Caution (Rating)

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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

⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.