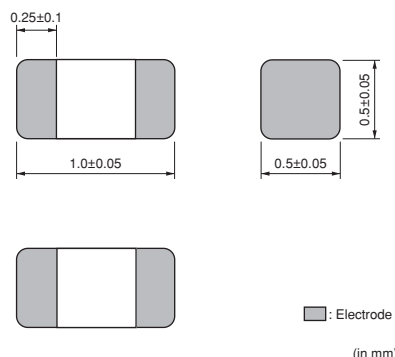


EMIFIL® (Inductor type) chip Ferrite Bead

BLM15PX Series (0402 Size)

■ Dimensions



■ Equivalent Circuit



(Resistance element becomes dominant at high frequencies.)

■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	10000
J	330mm Paper Tape	50000
B	Bulk(Bag)	1000

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM15PX330SN1□	33ohm ±25%	-	3000mA	0.022ohm max.	-55 to +125°C
BLM15PX600SN1□	60ohm ±25%	-	2500mA	0.032ohm max.	-55 to +125°C
BLM15PX800SN1□	80ohm ±25%	-	2300mA	0.038ohm max.	-55 to +125°C
BLM15PX121SN1□	120ohm ±25%	-	2000mA	0.055ohm max.	-55 to +125°C
BLM15PX181SN1□	180ohm ±25%	-	1500mA	0.090ohm max.	-55 to +125°C
BLM15PX221SN1□	220ohm ±25%	-	1400mA	0.10ohm max.	-55 to +125°C
BLM15PX331SN1□	330ohm ±25%	-	1200mA	0.15ohm max.	-55 to +125°C
BLM15PX471SN1□	470ohm ±25%	-	1000mA	0.20ohm max.	-55 to +125°C
BLM15PX601SN1□	600ohm ±25%	-	900mA	0.23ohm max.	-55 to +125°C

Number of Circuits: 1

Continued on the following page.

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

⚠ Note:

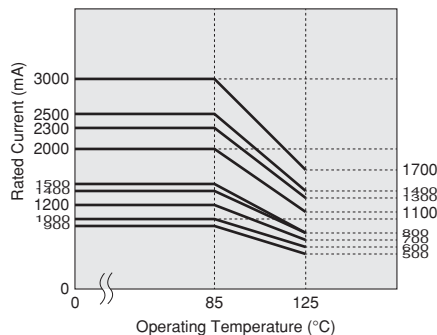
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
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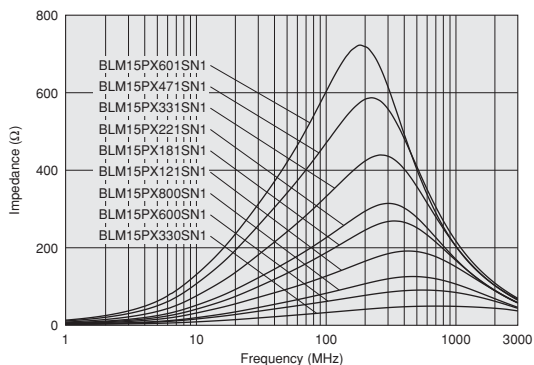
Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for BLM15PX series.
Please apply the derating curve shown in chart according to the operating temperature.

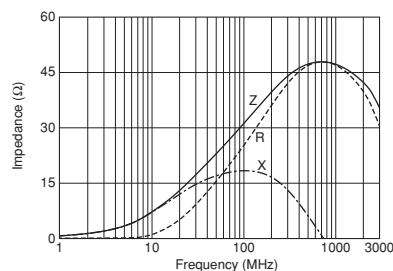
Derating of Rated Current



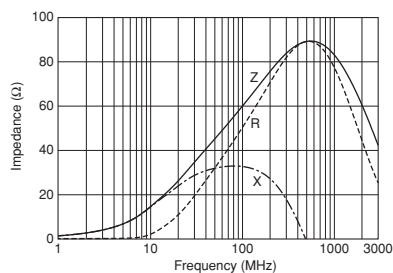
Impedance-Frequency Characteristics (Main Items)



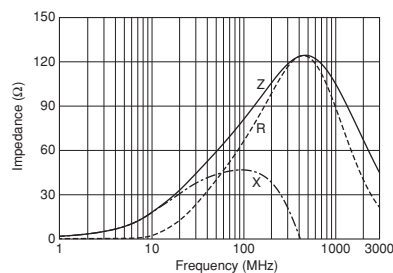
Impedance-Frequency Characteristics BLM15PX330SN1



Impedance-Frequency Characteristics BLM15PX600SN1



Impedance-Frequency Characteristics BLM15PX800SN1



Continued on the following page.

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

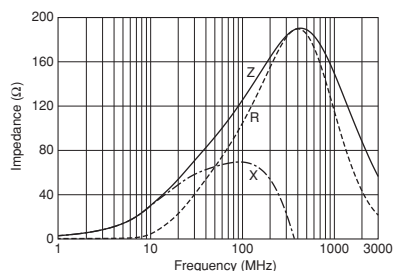
Note:

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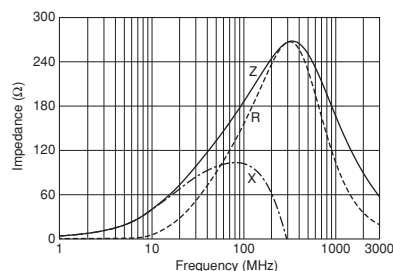
Impedance-Frequency Characteristics

BLM15PX121SN1



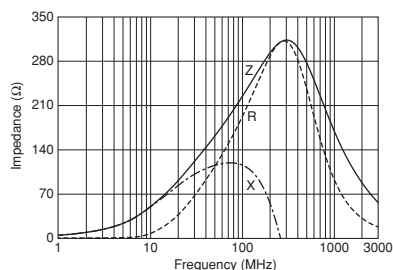
Impedance-Frequency Characteristics

BLM15PX181SN1



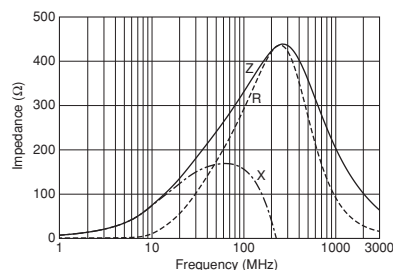
Impedance-Frequency Characteristics

BLM15PX221SN1



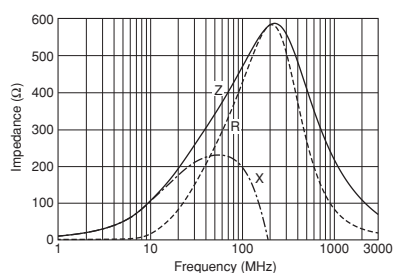
Impedance-Frequency Characteristics

BLM15PX331SN1



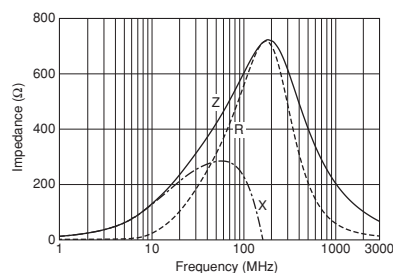
Impedance-Frequency Characteristics

BLM15PX471SN1



Impedance-Frequency Characteristics

BLM15PX601SN1



Continued on the following page.

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■ ⚠ Caution/Notice

⚠ Caution (Rating)

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

Notice

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

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