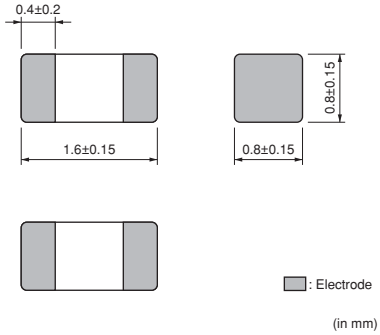
EMIFIL® (Inductor type) Chip Ferrite Bead

BLM18P Series (0603 Size)

■ Dimensions



■ 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	Operating Temperature Range
BLM18PG300SN1□	30ohm (Typ.)	-	1000mA	0.05ohm max.	-55 to +125°C
BLM18PG330SN1□	33ohm ±25%	-	3000mA	0.025ohm max.	-55 to +125°C
BLM18PG600SN1□	60ohm (Typ.)	-	500mA	0.10ohm max.	-55 to +125°C
BLM18PG121SN1□	120ohm ±25%	-	2000mA	0.05ohm max.	-55 to +125°C
BLM18PG181SN1□	180ohm ±25%	-	1500mA	0.09ohm max.	-55 to +125°C
BLM18PG221SN1□	220ohm ±25%	-	1400mA	0.10ohm max.	-55 to +125°C
BLM18PG331SN1□	330ohm ±25%	-	1200mA	0.15ohm max.	-55 to +125°C
BLM18PG471SN1□	470ohm ±25%	-	1000mA	0.20ohm max.	-55 to +125°C

Number of Circuits: 1

Continued on the following page.

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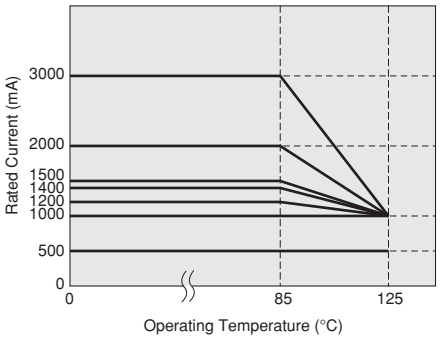
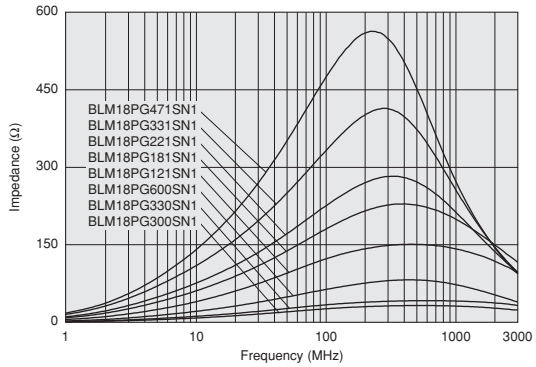
■ Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for BLM18PG series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

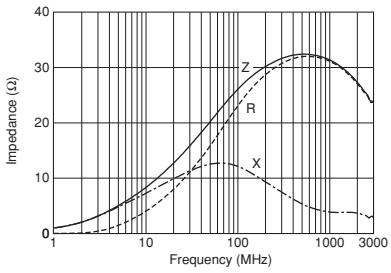


■ Impedance-Frequency Characteristics (Main Items)



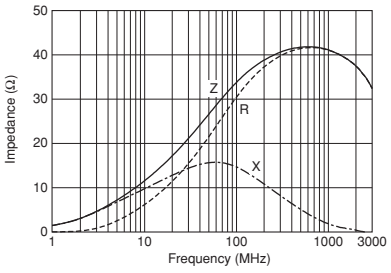
■ Impedance-Frequency Characteristics

BLM18PG300SN1



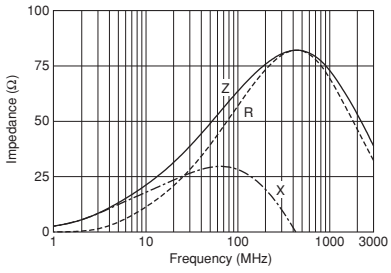
■ Impedance-Frequency Characteristics

BLM18PG330SN1



■ Impedance-Frequency Characteristics

BLM18PG600SN1



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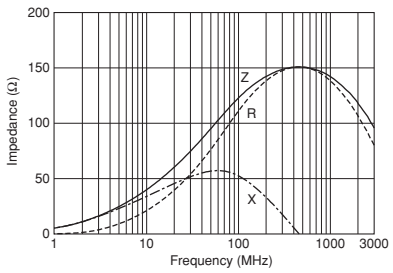
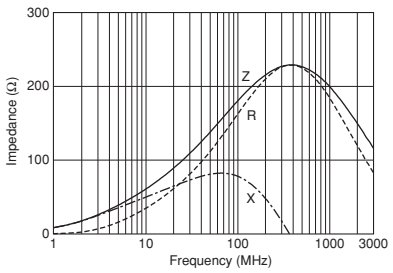
■ Impedance-Frequency Characteristics

BLM18PG121SN1



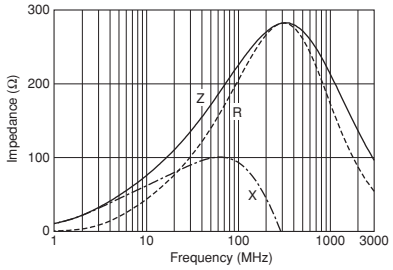
■ Impedance-Frequency Characteristics

BLM18PG181SN1



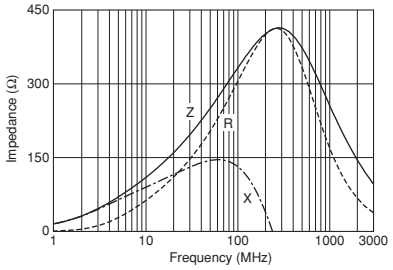
■ Impedance-Frequency Characteristics

BLM18PG221SN1



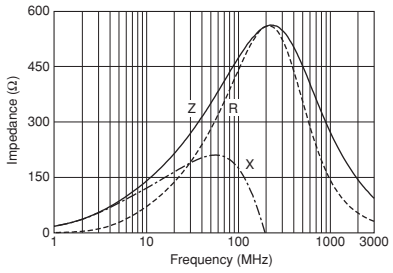
■ Impedance-Frequency Characteristics

BLM18PG331SN1



■ Impedance-Frequency Characteristics

BLM18PG471SN1



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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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