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[Murata Electronics North America](#)
[BLA31AG121SN4D](#)

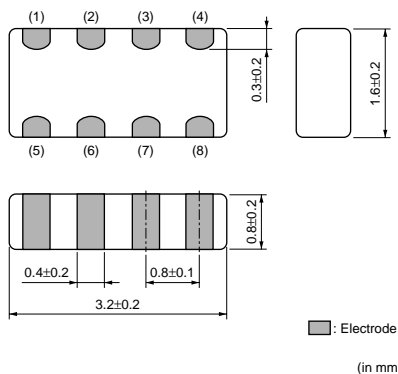
For any questions, you can email us directly:

sales@integrated-circuit.com

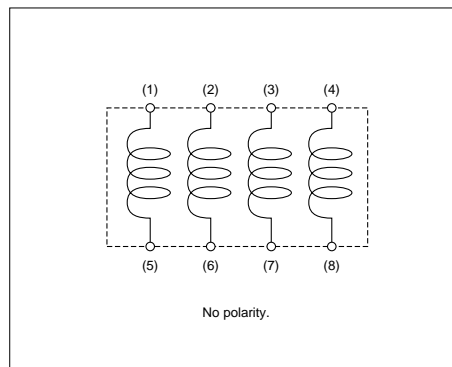
EMIFIL® (Inductor type) Chip Ferrite Bead (Array)

BLA31A/BLA31B Series (1206 Size)

■ Dimensions



■ Equivalent Circuit



■ 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
BLA31AG300SN4□	30ohm ±25%	-	200mA	0.10ohm max.	-55 to +125°C
BLA31AG600SN4□	60ohm ±25%	-	200mA	0.15ohm max.	-55 to +125°C
BLA31AG121SN4□	120ohm ±25%	-	150mA	0.20ohm max.	-55 to +125°C
BLA31AG221SN4□	220ohm ±25%	-	150mA	0.25ohm max.	-55 to +125°C
BLA31AG601SN4□	600ohm ±25%	-	100mA	0.35ohm max.	-55 to +125°C
BLA31AG102SN4□	1000ohm ±25%	-	50mA	0.45ohm max.	-55 to +125°C
BLA31BD121SN4□	120ohm ±25%	-	150mA	0.30ohm max.	-55 to +125°C
BLA31BD221SN4□	220ohm ±25%	-	150mA	0.35ohm max.	-55 to +125°C
BLA31BD471SN4□	470ohm ±25%	-	100mA	0.40ohm max.	-55 to +125°C
BLA31BD601SN4□	600ohm ±25%	-	100mA	0.45ohm max.	-55 to +125°C
BLA31BD102SN4□	1000ohm ±25%	-	50mA	0.55ohm max.	-55 to +125°C

Number of Circuits: 4

Continued on the following page.

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

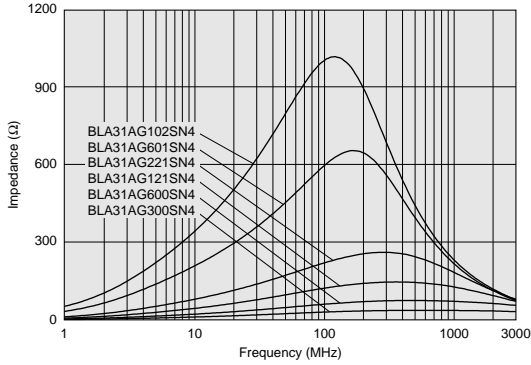
⚠ Note:

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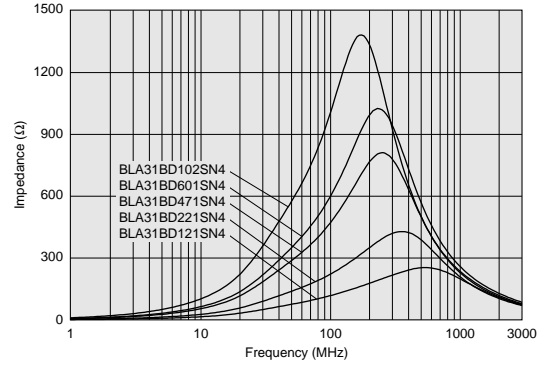
■ Impedance-Frequency Characteristics (Main Items)

BLA31AG Series



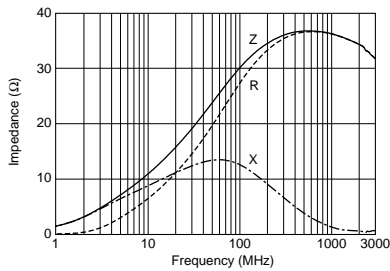
■ Impedance-Frequency Characteristics (Main Items)

BLA31BD Series



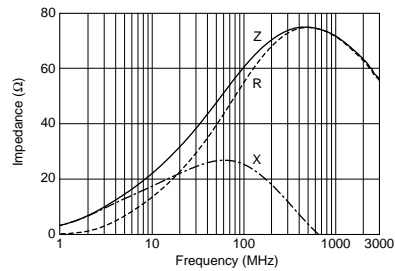
■ Impedance-Frequency Characteristics

BLA31AG300SN4



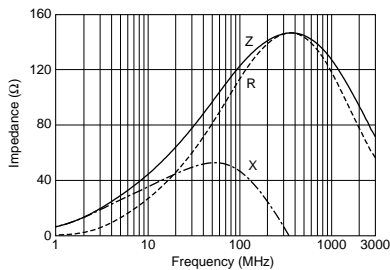
■ Impedance-Frequency Characteristics

BLA31AG600SN4



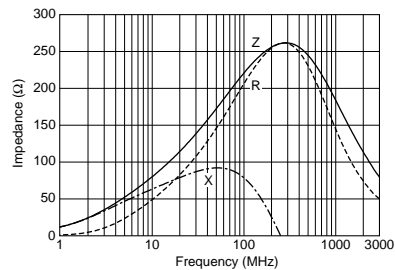
■ Impedance-Frequency Characteristics

BLA31AG121SN4



■ Impedance-Frequency Characteristics

BLA31AG221SN4



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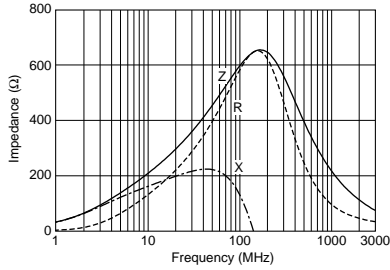
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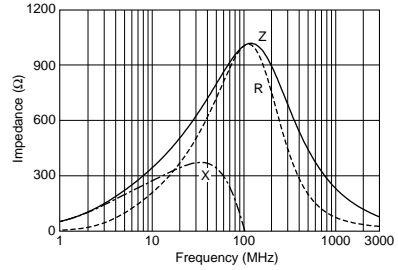
Impedance-Frequency Characteristics

BLA31AG601SN4



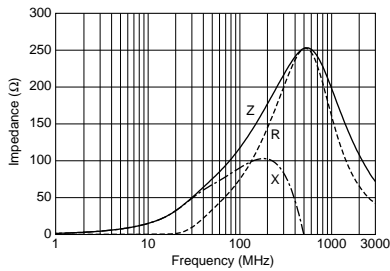
Impedance-Frequency Characteristics

BLA31AG102SN4



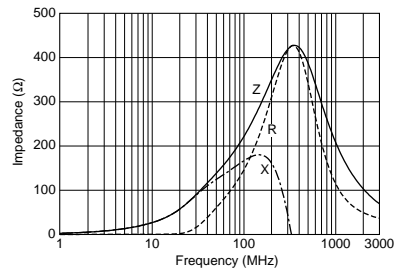
Impedance-Frequency Characteristics

BLA31BD121SN4



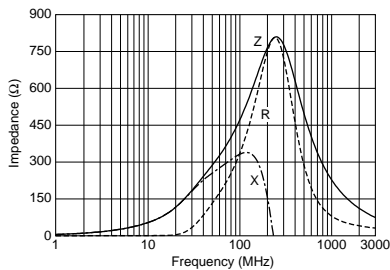
Impedance-Frequency Characteristics

BLA31BD221SN4



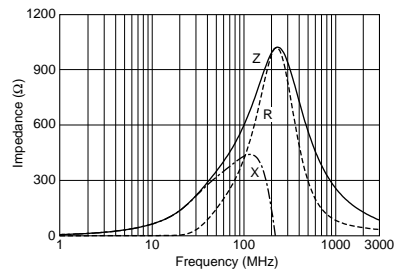
Impedance-Frequency Characteristics

BLA31BD471SN4



Impedance-Frequency Characteristics

BLA31BD601SN4



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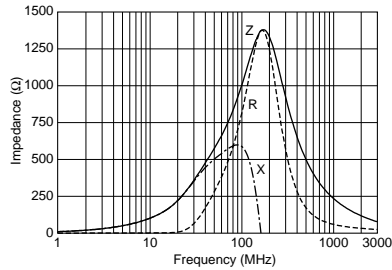
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Impedance-Frequency Characteristics

BLA31BD102SN4



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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