

## **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Murata Electronics North America](#)

[BLA2ABD102SN4D](#)

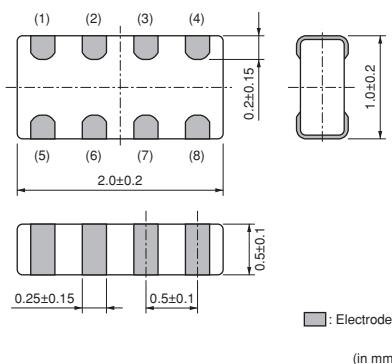
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

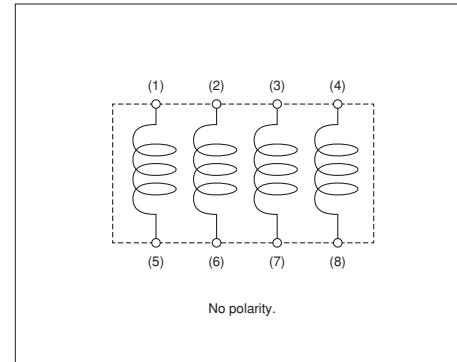
# EMIFIL® (Inductor type) Chip Ferrite Bead (Array)

## BLA2AA/BLA2AB Series (0804 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ 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<br>(at 100MHz/20°C) | Impedance<br>(at 1GHz/20°C) | Rated Current | DC Resistance | Operating<br>Temperature Range |
|----------------|-------------------------------|-----------------------------|---------------|---------------|--------------------------------|
| BLA2AAG121SN4□ | 120ohm ±25%                   | -                           | 100mA         | 0.50ohm max.  | -55 to +125°C                  |
| BLA2AAG221SN4□ | 220ohm ±25%                   | -                           | 50mA          | 0.70ohm max.  | -55 to +125°C                  |
| BLA2AAG601SN4□ | 600ohm ±25%                   | -                           | 50mA          | 1.10ohm max.  | -55 to +125°C                  |
| BLA2AAG102SN4□ | 1000ohm ±25%                  | -                           | 50mA          | 1.30ohm max.  | -55 to +125°C                  |
| BLA2ABD750SN4□ | 75ohm ±25%                    | -                           | 200mA         | 0.20ohm max.  | -55 to +125°C                  |
| BLA2ABD121SN4□ | 120ohm ±25%                   | -                           | 200mA         | 0.35ohm max.  | -55 to +125°C                  |
| BLA2ABD221SN4□ | 220ohm ±25%                   | -                           | 100mA         | 0.40ohm max.  | -55 to +125°C                  |
| BLA2ABD471SN4□ | 470ohm ±25%                   | -                           | 100mA         | 0.65ohm max.  | -55 to +125°C                  |
| BLA2ABD601SN4□ | 600ohm ±25%                   | -                           | 100mA         | 0.80ohm max.  | -55 to +125°C                  |
| BLA2ABD102SN4□ | 1000ohm ±25%                  | -                           | 50mA          | 1.00ohm max.  | -55 to +125°C                  |
| BLA2ABB100SN4□ | 10ohm ±25%                    | -                           | 200mA         | 0.1ohm max.   | -55 to +125°C                  |
| BLA2ABB220SN4□ | 22ohm ±25%                    | -                           | 200mA         | 0.2ohm max.   | -55 to +125°C                  |
| BLA2ABB470SN4□ | 47ohm ±25%                    | -                           | 200mA         | 0.35ohm max.  | -55 to +125°C                  |
| BLA2ABB121SN4□ | 120ohm ±25%                   | -                           | 50mA          | 0.60ohm max.  | -55 to +125°C                  |
| BLA2ABB221SN4□ | 220ohm ±25%                   | -                           | 50mA          | 0.90ohm max.  | -55 to +125°C                  |

Number of Circuits: 4

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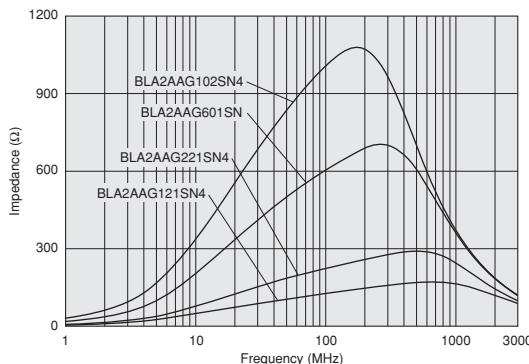
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#### ⚠ Note:

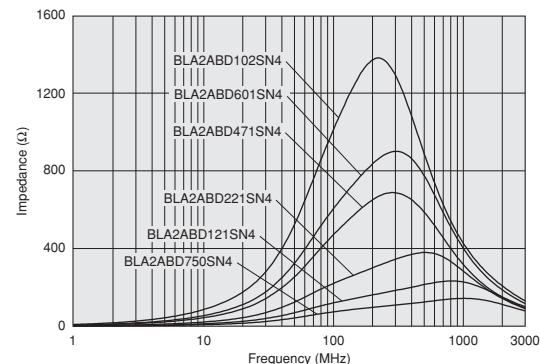
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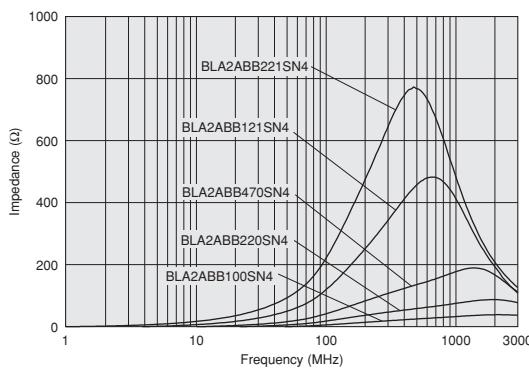
**■ Impedance-Frequency Characteristics (Main Items)  
BLA2AAG Series**



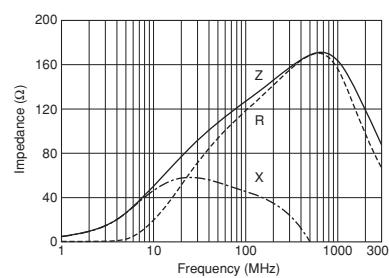
**■ Impedance-Frequency Characteristics (Main Items)  
BLA2ABD Series**



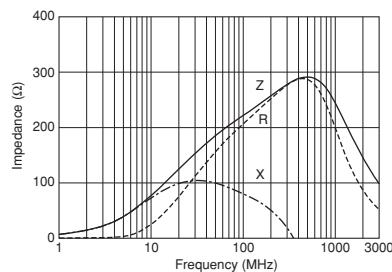
**■ Impedance-Frequency Characteristics (Main Items)  
BLA2ABB Series**



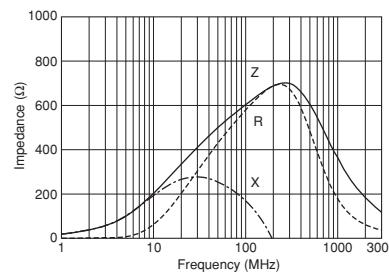
**■ Impedance-Frequency Characteristics  
BLA2AAG121SN4**



**■ Impedance-Frequency Characteristics  
BLA2AAG221SN4**



**■ Impedance-Frequency Characteristics  
BLA2AAG601SN4**



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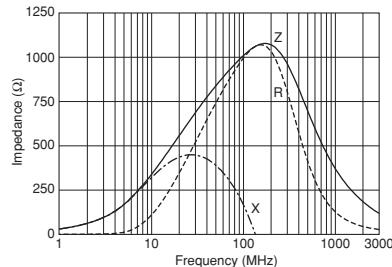
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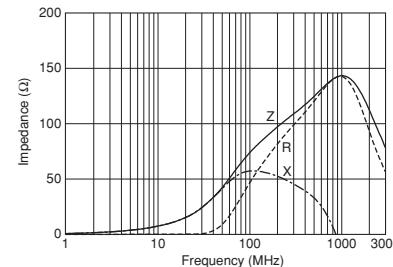
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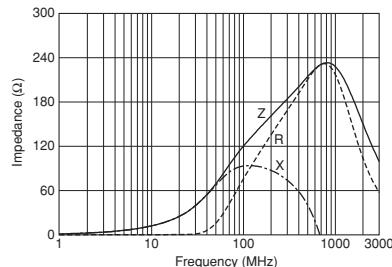
**■ Impedance-Frequency Characteristics**  
**BLA2AAG102SN4**



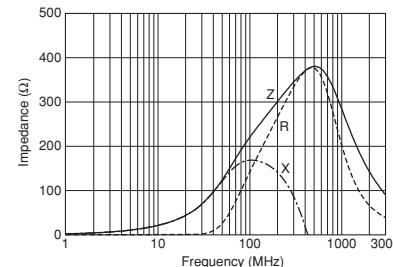
**■ Impedance-Frequency Characteristics**  
**BLA2ABD750SN4**



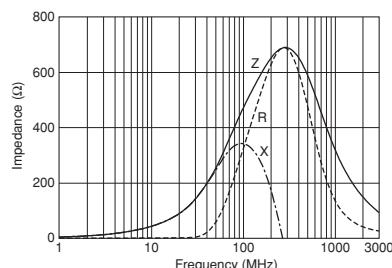
**■ Impedance-Frequency Characteristics**  
**BLA2ABD121SN4**



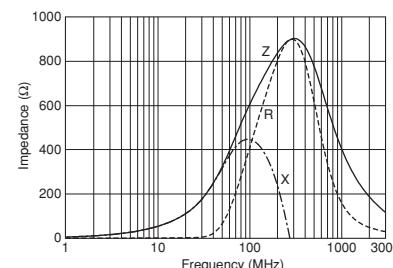
**■ Impedance-Frequency Characteristics**  
**BLA2ABD221SN4**



**■ Impedance-Frequency Characteristics**  
**BLA2ABD471SN4**



**■ Impedance-Frequency Characteristics**  
**BLA2ABD601SN4**



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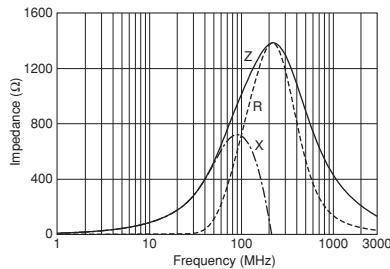
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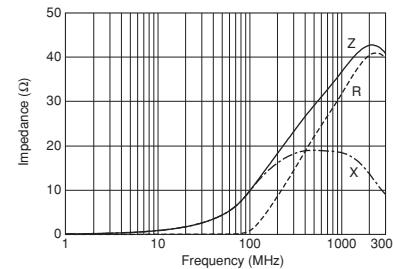
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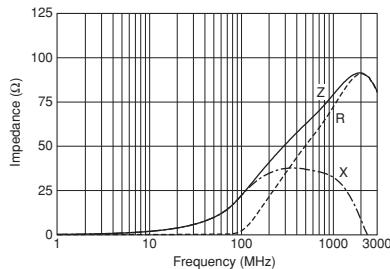
**■ Impedance-Frequency Characteristics**  
**BLA2ABD102SN4**



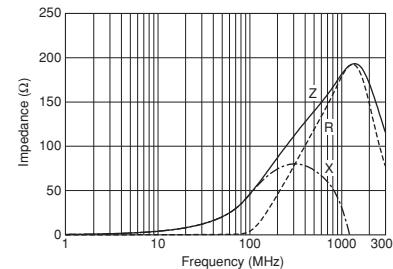
**■ Impedance-Frequency Characteristics**  
**BLA2ABB100SN4**



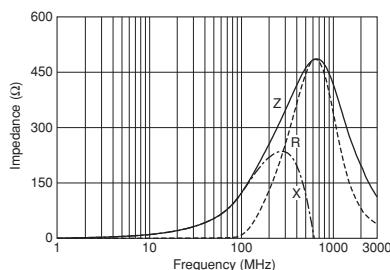
**■ Impedance-Frequency Characteristics**  
**BLA2ABB220SN4**



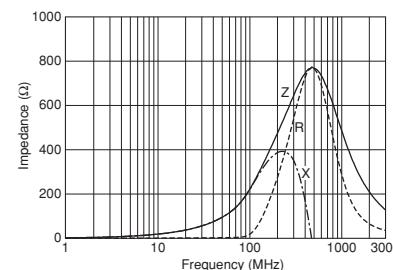
**■ Impedance-Frequency Characteristics**  
**BLA2ABB470SN4**



**■ Impedance-Frequency Characteristics**  
**BLA2ABB121SN4**



**■ Impedance-Frequency Characteristics**  
**BLA2ABB221SN4**



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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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