

Product Specification for Reference Only

Issue Date : _____

Part Description : _____

Murata Part Number

Murata Global Part Number: _____

Murata Previous Part Number: _____

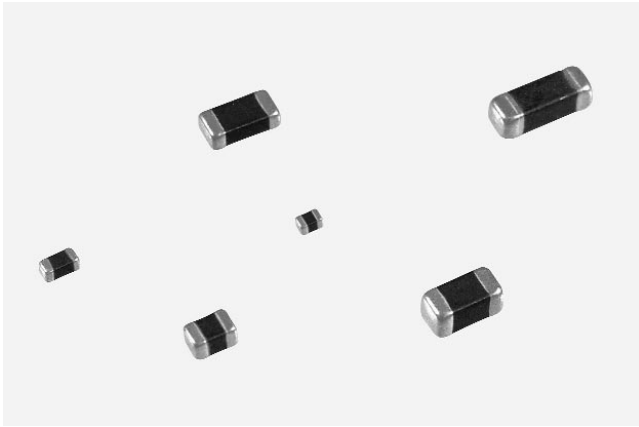
*Attention: Murata will change to Global Part Numbers in June 2001. Global Part numbers are shown on this sheet with the previous part numbers.

The product specification in this sheet is for reference only.

There will be a chance to change contents of this document in part number on specifications or discontinue it's production.

You are requested to receive formal specification to confirm latest specification before going into mass production.

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The BLM□□A Series ferrite beads provide outstanding electrical characteristics in packages as small as 0402. For noise applications covering a wide frequency range.

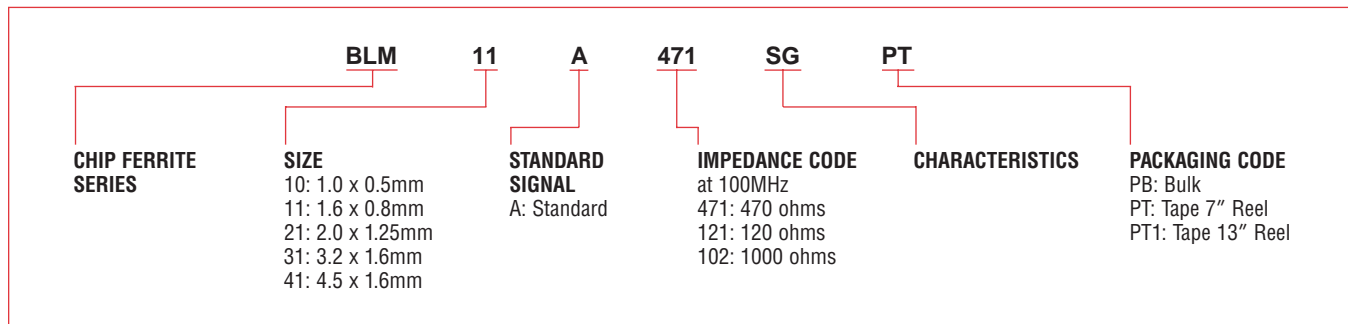
FEATURES

- Suitable for flow and reflow soldering
- Wide temperature range
- High Z characteristics

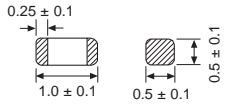
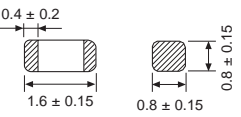
APPLICATIONS

- I/O ports, DC power lines, and Signal lines

PART NUMBERING SYSTEM

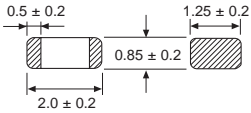
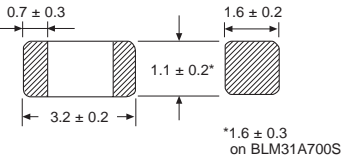
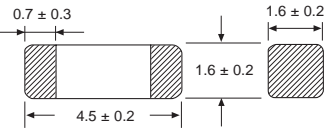


SPECIFICATIONS

| Dimensions: mm | Part Number | Impedance (Ohms) Typ. @ 100MHz | Rated Current (mA) | DCR (Ohms max.) | Operating Temperature Range |
|--|-------------------------|--------------------------------|--------------------|-----------------|-----------------------------|
| 0402  | ★BLM10A100S | 10 | 500 | 0.05 | -55 ~ +125°C |
| | ★BLM10A700S | 70 | 200 | 0.40 | |
| | ★BLM10A121S | 120 | | 0.50 | |
| | ★BLM10A221SG NEW | 220 | 100 | 0.70 | |
| | ★BLM10A601SG NEW | 600 | 50 | 1.10 | |
| | ★BLM10A102SG NEW | 1000 | | 1.50 | |
| 0603  | ★BLM11A121S | 120 | 200 | 0.2 | |
| | ★BLM11A151SG | 150 | | 0.25 | |
| | ★BLM11A221S | 220 | | 0.3 | |
| | ★BLM11A331SG | 330 | | 0.45 | |
| | ★BLM11A471SG | 470 | | 0.5 | |
| | ★BLM11A601S | 600 | | | |
| | ★BLM11A102S | 1000 | | 100 | 0.7 |

*Available as standard through authorized Murata Electronics Distributors.

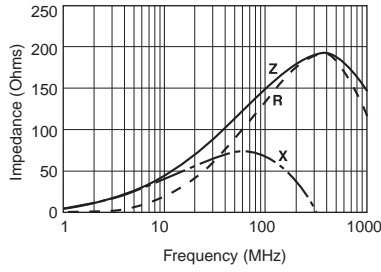
SPECIFICATIONS

| Dimensions: mm | Part Number | Impedance (Ohms) Typ. @ 100MHz | Rated Current (mA) | DCR (Ohms max.) | Operating Temperature Range | | |
|---|--------------|--------------------------------|--------------------|-----------------|-----------------------------|-------------|--------------|
|  | ★BLM21A121S | 120 | 200 | 0.4 | -55 ~ +125°C | | |
| | ★BLM21A121F | | | 0.15 | | | |
| | ★BLM21A151SG | 150 | | 0.15 | | | |
| | ★BLM21A221SG | 220 | | 0.20 | | | |
| | ★BLM21A331SG | 330 | | 0.25 | | | |
| | ★BLM21A401S | 400 | | 0.85 | | | |
| | ★BLM21A471SG | 470 | | 0.25 | | | |
| | ★BLM21A601F | 600 | | 0.3 | | | |
| | ★BLM21A601R | 600 | | 500 | | 0.3 | -55 ~ +85°C |
| | ★BLM21A601S | 600 | | 200 | | 1.1 | -55 ~ +125°C |
| | ★BLM21A102F | 1000 | | | | 0.45 | |
| | ★BLM21A102S | 1000 | | 0.45 | | -55 ~ +85°C | |
|  | ★BLM31A260S | 26 | 500 | 0.05 | -55 ~ +125°C | | |
| | ★BLM31A700S | 70 | 200 | 0.15 | | | |
| | ★BLM31A601S | 600 | | 0.90 | | | |
|  | ★BLM41A800S | 80 | 500 | 0.1 | -55 ~ +125°C | | |
| | ★BLM41A151S | 150 | 200 | 0.5 | | | |

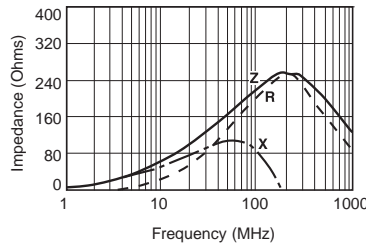
★Available as standard through authorized Murata Electronics Distributors.

TYPICAL IMPEDANCE CHARACTERISTICS

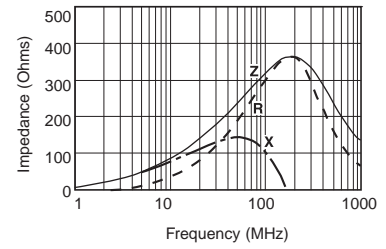
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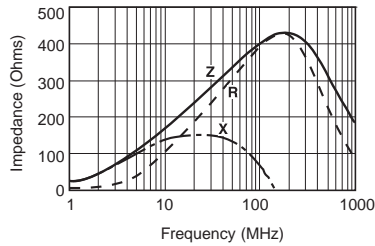
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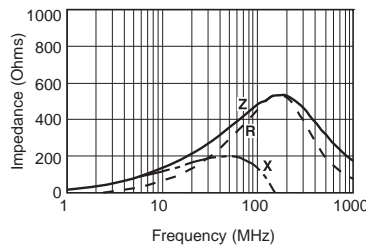
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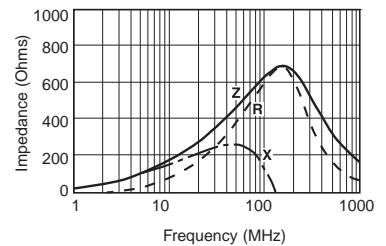
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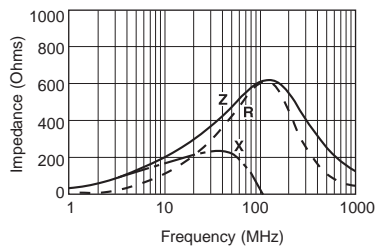
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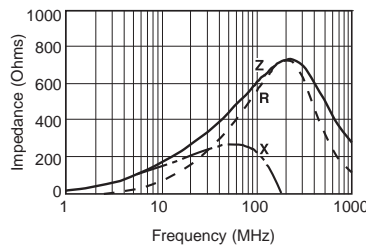
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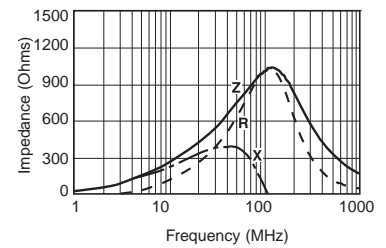
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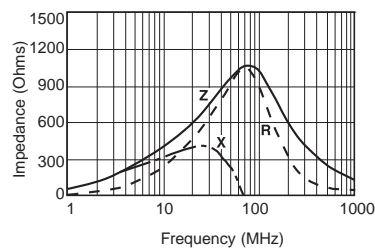
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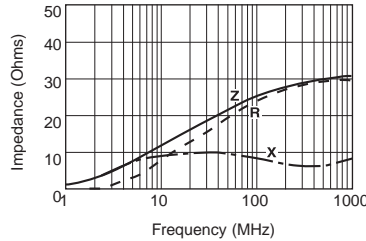
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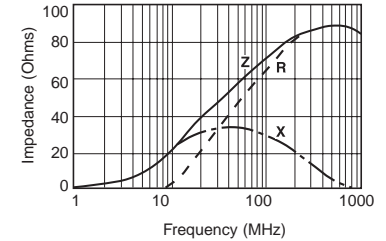
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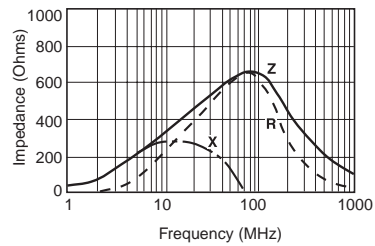
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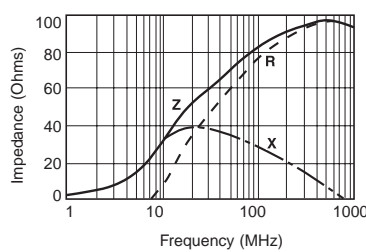
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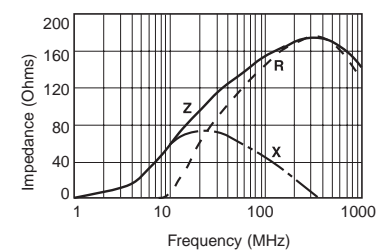
BLM31A601S (For low speed signal line)



BLM41A800S

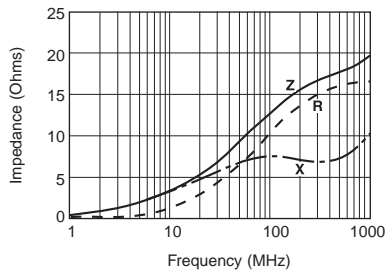


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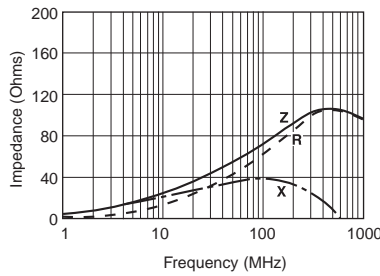


TYPICAL IMPEDANCE CHARACTERISTICS

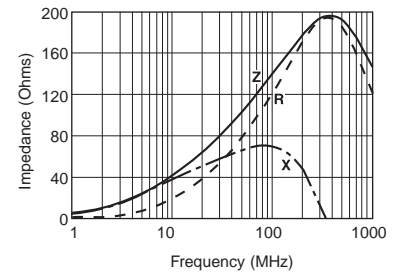
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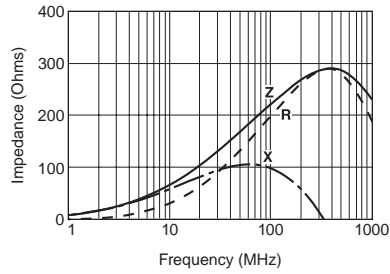
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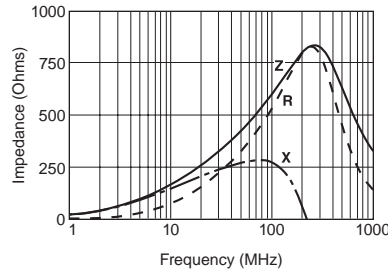
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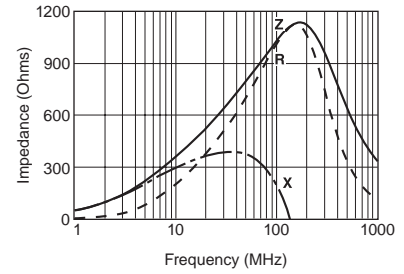
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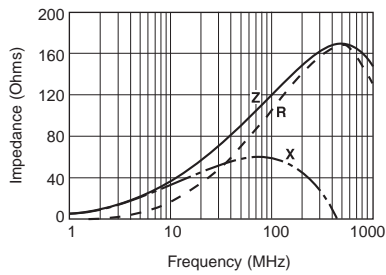
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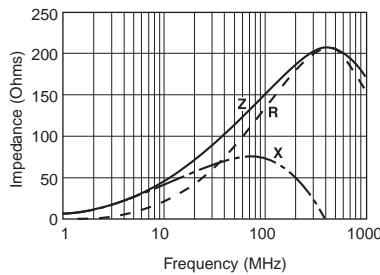
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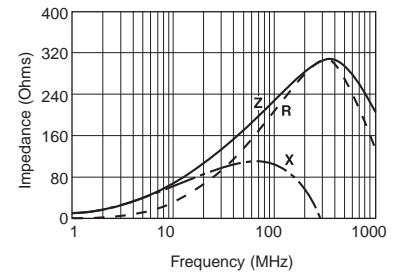
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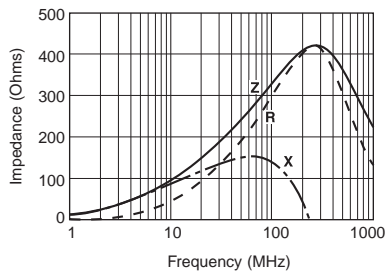
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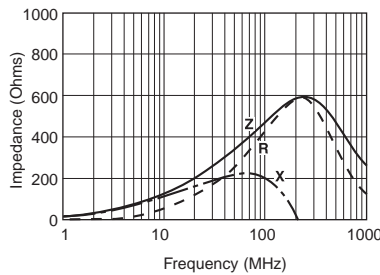
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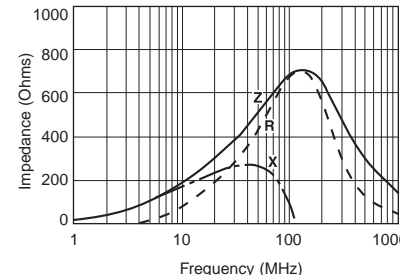
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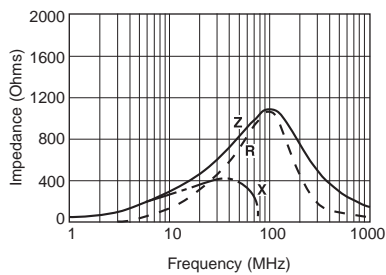
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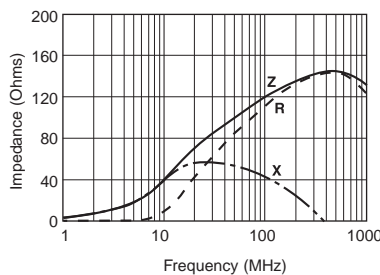
BLM11A601S



BLM11A102S



BLM21A121S



BLM21A121F

