

# BLM02AX241SN1#

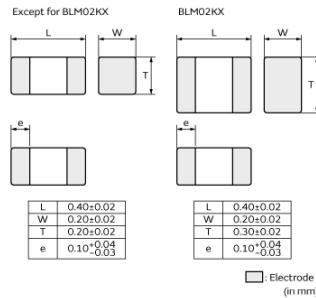
"#" indicates a package specification code.

In Production **RoHS** **REACH**

< List of part numbers with package codes >

BLM02AX241SN1D BLM02AX241SN1B

## Appearance & Shape



## Packaging Information

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| D         | 180mm Paper Tape | 20000                  |
| B         | Bulk(Bag)        | 1000                   |

## Applications

Other Usage

For general

### Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
  - This datasheet has only typical specifications because there is no space for detailed specifications.
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## Features

The chip ferrite beads BLM series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted.

BLM series is effective in circuits without stable ground lines because BLM series does not need a connection to ground.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

BLM\_Aseries generates an impedance from the relatively low frequencies. Therefore BLM\_Aseries is effective in noise suppression in a wide frequency range (30MHz to several hundred MHz).

The small size of BLM02Aseries (0.4x0.2mm) is suitable for noise suppression in small equipment such as PAmodules for cellular phones.

BLM\_Xseries is designed to be low DC resistance using new materials.

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## Specifications

|                                 |                |
|---------------------------------|----------------|
| Shape                           | SMD            |
| Size Code (in mm)               | 0402           |
| Size Code (in inch)             | 01005          |
| Length                          | 0.4mm          |
| Length Tolerance                | ±0.02mm        |
| Width                           | 0.2mm          |
| Width Tolerance                 | ±0.02mm        |
| Thickness                       | 0.2mm          |
| Thickness Tolerance             | ±0.02mm        |
| Impedance (at 100MHz)           | 240Ω           |
| Impedance (at 100MHz) Tolerance | ±25%           |
| Rated Current (at 85°C)         | 200mA          |
| Rated Current (at 125°C)        | 200mA          |
| DC Resistance(max.)             | 0.9Ω           |
| Operating Temperature Range     | -55°C to 125°C |
| Mass(typ.)                      | 0.08mg         |
| Number of Circuit               | 1              |

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### Attention

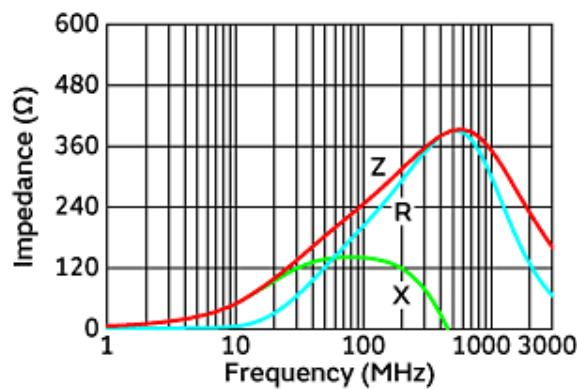
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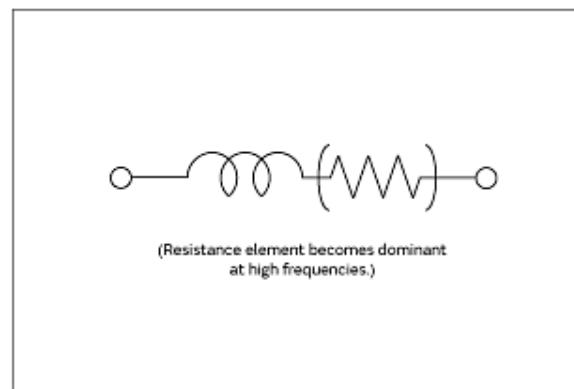
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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