# BLM02PX100SN1#

"#"at the end indicates the package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

BLM02PX100SN1B BLM02PX100SN1D

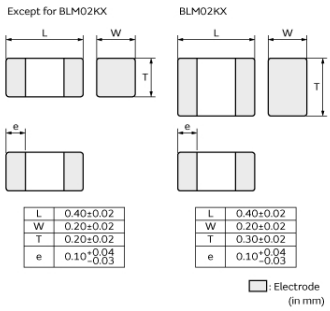
## Applications

| | |
|---|---|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment<br>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | Consumer equipment |

## Packaging Information

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

## Appearance & Shape



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## Features

1.The chip ferrite beads BLM02P 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.
BLM02P series is effective in circuits without stable ground lines because BLM02P series does not need a connection to ground.
2.The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
3.BLM02P series can be used in high current circuits due to its low DC resistance.
It can match power lines to a maximum of 1.1ADC.
4.The small size of BLM02P series (0.4x0.2mm) is suitable for advanced high-density mounting.

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## Specifications

| | |
|---|---|
| Shape | SMD |
| 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 |
| Operating Temperature Range | -55℃ to 125℃ |
| Mass(typ.) | 0.08mg |
| Number of Circuit | 1 |
| Rated Current (at 85℃) | 1100mA |
| Rated Current (at 125℃) | 850mA |
| DC Resistance(max.) | 0.05Ω |
| Impedance (at 100MHz) | 10Ω |
| Impedance (at 100MHz) Tolerance | ±5Ω |
| Size Code (in mm) | 0402 |

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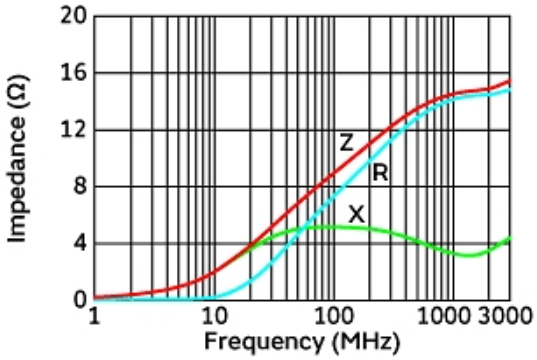
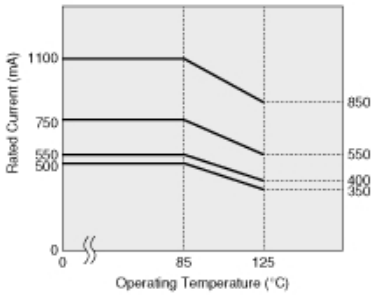
## Product Data



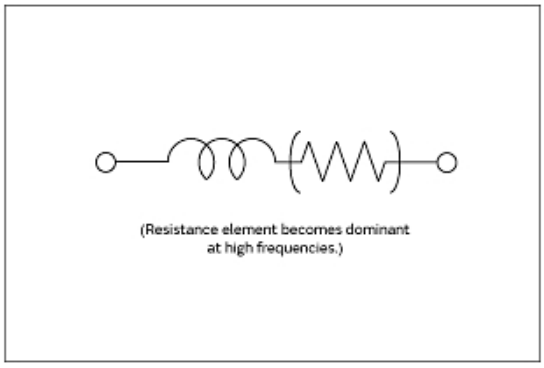

Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM02PX series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current




Derating of Rated Current




Equivalent Circuit