

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18PG121SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18PG121SH1%23

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









< List of part numbers with package codes >

BLM18PG121SH1B

BLM18PG121SH1D

BLM18PG121SH1J



Applications

| Unsuitable | Please be sure to read and comply with | |
|--------------|--|--|
| Applications | these "Precautions for use." | |
| | Automotive powertrain/safety equipment, | |
| | Automotive infotainment/comfort | |
| | equipment,Consumer equipment, | |
| | Medical equipment [GHTF A/B/C] | |
| | except for implant & surgery & auto | |
| | injector,Industrial Equipment | |
| Specific | Please refer to Our Website and | |
| Applications | 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 | Automotive powertrain/safety equipment | |
| Applications | | |



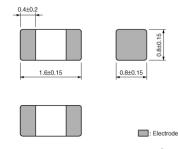
Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| В | Bulk(Bag) | 1000 |
| D | 180mm Paper Tape | 4000 |
| J | 330mm Paper Tape | 10000 |



Appearance & Shape





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(in mm)

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



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Features

- 1.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.
- 2.The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
 3.BLM_P series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 3ADC.

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Specifications

| Shape | SMD |
|---------------------------------|----------------|
| Size Code (in inch) | 0603 |
| Length | 1.6mm |
| Length Tolerance | ±0.15mm |
| Width | 0.8mm |
| Width Tolerance | ±0.15mm |
| Thickness | 0.8mm |
| Thickness Tolerance | ±0.15mm |
| Operating Temperature Range | -55°C to 125°C |
| Mass(typ.) | 0.005g |
| Number of Circuit | 1 |
| Rated Current (at 85°C) | 2000mA |
| Rated Current (at 125°C) | 1000mA |
| DC Resistance(max.) | 0.05Ω |
| Impedance (at 100MHz) | 120Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Size Code (in mm) | 1608 |

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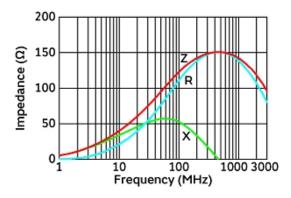
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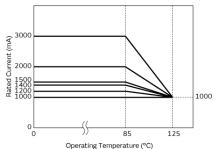
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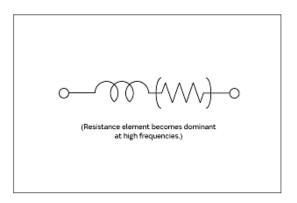
In operating temperature exceeding +85°C, derating of current is necessary for BLM18PG series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



Equivalent Circuit

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