Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of BLM21HE601SH1# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=BLM21HE601SH1%23

# BLM21HE601SH1#

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

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

BLM21HE601SH1B BLM21HE601SH1K BLM21HE601SH1L

## Applications

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

## Packaging Information

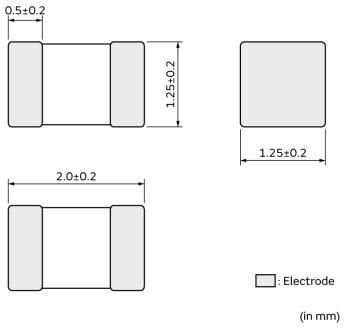
| Packaging | Specifications | Standard Packing Quantity |
|---|---|---|
| B | Bulk(Bag) | 1000 |
| K | 330mm Embossed Tape | 10000 |
| L | 180mm Embossed Tape | 3000 |

## Features

1. Applying some improvement to BLM18H series, it realizes high impedance characteristics at several tens of MHz to several GHz and is suitable for wideband noise removal.
2. Low DC Resistance and a large Rated Current are suitable for noise suppression of the driver circuit.
3. The magnetic shielded structure minimizes crosstalk.

## Appearance & Shape








**Attention**
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.
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.

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of BLM21HE601SH1# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=BLM21HE601SH1%23

# BLM21HE601SH1#

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

## Specifications

| | |
|---|---|
| Shape | SMD |
| Size Code (in inch) | 0805 |
| Length | 2.0mm |
| Length Tolerance | ±0.2mm |
| Width | 1.25mm |
| Width Tolerance | ±0.2mm |
| Thickness | 1.25mm |
| Thickness Tolerance | ±0.2mm |
| Operating Temperature Range | -55℃ to 125℃ |
| Mass(typ.) | 0.0098g |
| Number of Circuit | 1 |
| Rated Current (at 85℃) | 2300mA |
| Rated Current (at 125℃) | 1500mA |
| DC Resistance(max.) | 0.055Ω |
| Impedance (at 100MHz) | 600Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Impedance (at 1GHz) | 450Ω |
| Impedance (at 1GHz) Tolerance | ±40% |
| Size Code (in mm) | 2012 |



**Attention**
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.
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.

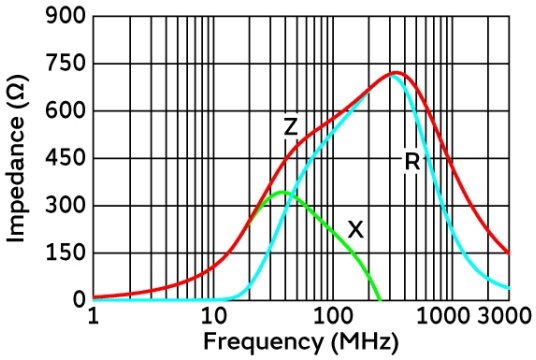
Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of BLM21HE601SH1# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=BLM21HE601SH1%23

# BLM21HE601SH1#

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

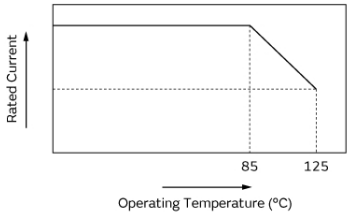
## Product Data



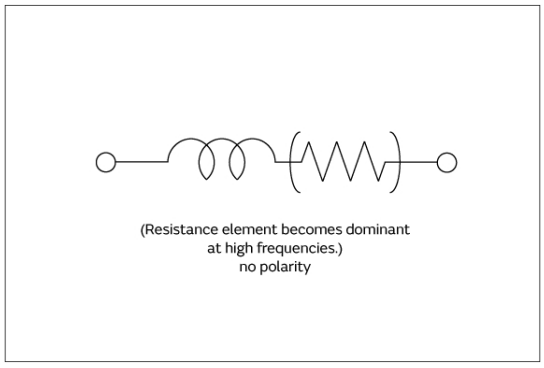

Impedance-Frequency Characteristics

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

Derating of Rated Current




Derating of Rated Current




Equivalent Circuit



**Attention**
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.
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.