

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18EG121SH1# from the official website of Murata Manufacturing

Co., Ltd.

https://www.murata.com/en-us/products/productdetail?partno=BLM18EG121SH1%23

## BLM18EG121SH1#

"#" indicates a package specification code.









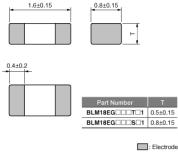
< List of part numbers with package codes >

BLM18EG121SH1B BLM18EG121SH1D BLM18EG121SH1J



## Appearance & Shape





(in mm)



BLM18E series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

### Features

- Low DC Resistance and a large Rated Current are suitable for noise suppression of the driver circuit.
- 2. Excellent direct current characteristics.
- Thin type (t=0.5mm) is suitable for small and low profile equipment such as ETC, RKE.

# Applications

Automotive Usage

Powertrain/Safety



## Packaging Information

Packaging	Specifications	Minimum Order Quantity
В	Bulk(Bag)	1000
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

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### 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



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Last updated : 2018/03/09



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0.005g

Mass(typ.)

Number of Circuit

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Shape	SMD
Size Code (in mm)	1608
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
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	145Ω
Impedance (at 1GHz) Tolerance	(Тур.)
Rated Current (at 85°C)	2A
Rated Current (at 125°C)	1A
DC Resistance(max.)	0.04Ω
Operating Temperature Range	-55℃ to 125℃

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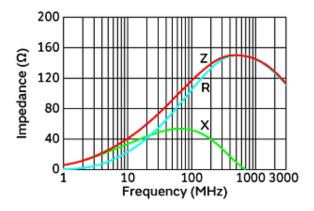
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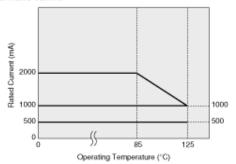
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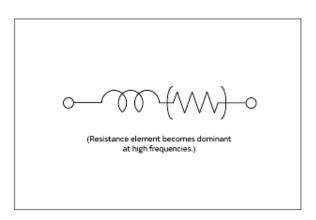


In operating temperature exceeding +85°C, derating of current is necessary for BLM18EG series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



**Derating of Rated Current** 

**Equivalent Circuit** 

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