

Note: This datasheet may be out of date. Please download the latest datasheet of BLM18SP101SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=BLM18SP101SH1%23

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

In Production

0200

**BLM18SP101SH1#** 

RoHS

< List of part numbers with package codes > BLM18SP101SH1B BLM18SP101SH1D

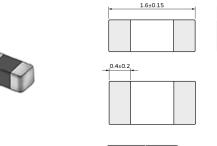
REACH



### 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	Automotivo novortrain/actaty aquinment
Applications	Automotive powertrain/safety equipment

# Appearance & Shape







## Packaging Information

	Packaging	Specifications	Standard
			Packing
			Quantity
	В	Bulk(Bag)	1000
	D	180mm Paper Tape	4000



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. BLM18SP series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.

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#### Attention

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0.8±0.15

: Electrode

(in mm)

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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# 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)	3700mA
Rated Current (at 125°C)	2500mA
DC Resistance(max.)	0.022Ω
Impedance (at 100MHz)	100Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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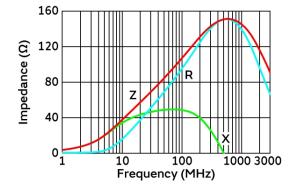
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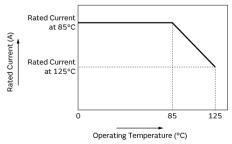
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In operating temperature exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

#### **Derating of Rated Current**

(Resistance element becomes dominant at high frequencies.)

**Equivalent Circuit** 

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