

BLM18SP601SH1#

Note: This datasheet may be out of date

Please download the latest datasheet of BLM18SP601SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=BLM18SP601SH1%23

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

In Production







< List of part numbers with package codes > BLM18SP601SH1B BLM18SP601SH1D



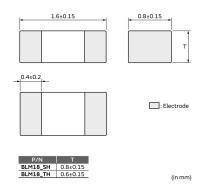
Applications

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			



Appearance & Shape







Packaging Information

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



Features

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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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)	1500mA
Rated Current (at 125°C)	1000mA
DC Resistance(max.)	0.14Ω
Impedance (at 100MHz)	600Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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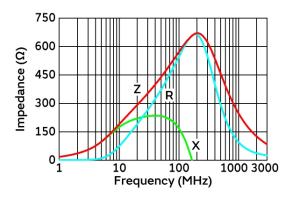
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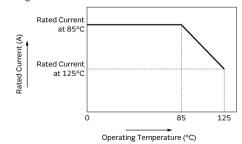




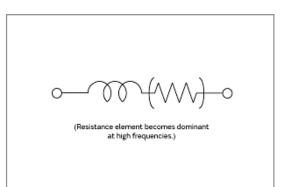
In operating temperature exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current

Equivalent Circuit

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