

Please download the latest datasheet of BLM18KG300JH1# from the official website of Murata Manufacturing

https://www.murata.com/en-us/products/productdetail?partno=BLM18KG300JH1%23

BLM18KG300JH1#

"#" indicates a package specification code.

Note: This datasheet may be out of date







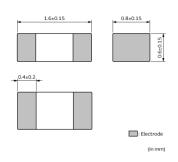


< List of part numbers with package codes > BLM18KG300JH1D BLM18KG300JH1B



Appearance & Shape







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. Also it can be used up to 150 °C.

BLM KG series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 4ADC.

Applications

	Automotive
ı	Usage

Powertrain/Safety



Packaging Information

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

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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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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	0.6mm
Thickness Tolerance	±0.15mm
Impedance (at 100MHz)	30Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85°C)	3.3A
Rated Current (at 125°C)	3.3A
Rated Current (at 150°C)	10mA
DC Resistance(max.)	0.01Ω
Operating Temperature Range	-55°C to 150°C
Mass(typ.)	0.004g

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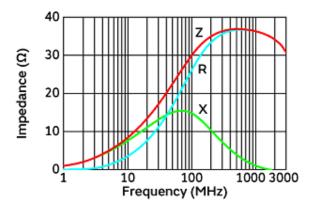
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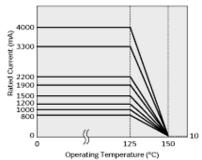
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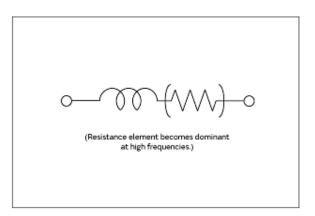


In operating temperature exceeding +125°C, derating of current is necessary for BLM18KG_JH1/_BH1 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current

Equivalent Circuit

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OOO «ЛайфЭлектроникс" "LifeElectronics" LLC

ИНН 7805602321 КПП 780501001 P/C 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 3010181090000000703 БИК 044030703

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- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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