Note: This datasheet may be out of date.

Please download the latest datasheet of BLM03EB250SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLM03EB250SH1%23

BLM03EB250SH1#

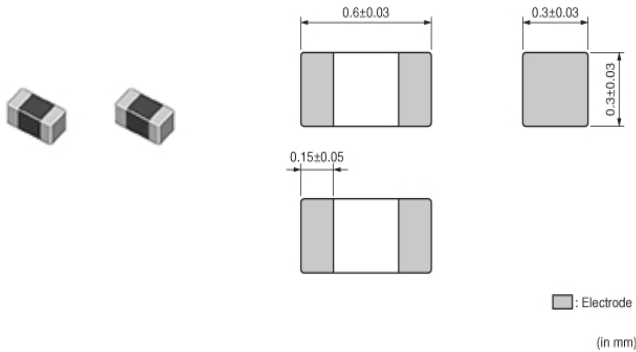"#" indicates a package specification code.

[In Production] [AEC-Q200] [RoHS] [REACH]

< List of part numbers with package codes >

BLM03EB250SH1D   BLM03EB250SH1J   BLM03EB250SH1B

Appearance & Shape

0.6±0.03   0.3±0.03   0.3±0.03

0.15±0.05

☐ : Electrode

(in mm)

Packaging Information

Packaging	Specifications	Standard Packing Quantity
D	180mm Paper Tape	15000
J	330mm Paper Tape	50000
B	Bulk(Bag)	1000

Features

1. Horizontal winding inner coil structure enables low storage capacitance which result to high noise suppression performance. Effective in LTE range up to 2.6GHz from 700MHz.
2. Low DC Resistance. Large Rated Current.
3. The small size of BLM03E series (0.6x0.3mm) is suitable for noise suppression in small equipment such as cellular phones.

Applications

Automotive Usage	Powertrain/Safety

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.
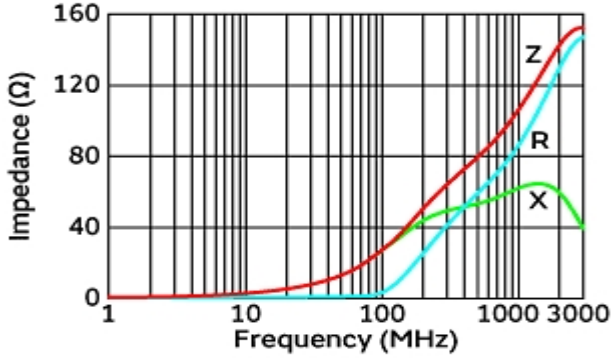
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

Product Search Data Sheet

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BLM03EB250SH1#

"#" indicates a package specification code.

Specifications

Shape	SMD
Size Code (in inch)	0201
Length	0.6mm
Length　Tolerance	±0.03mm
Width	0.3mm
Width Tolerance	±0.03mm
Thickness	0.3mm
Thickness　Tolerance	±0.03mm
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.3mg
Number of Circuit	1
Rated Current (at 85℃)	600mA
Rated Current (at 125℃)	450mA
DC Resistance(max.)	0.26Ω
Impedance (at 100MHz)	25Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	105Ω
Impedance (at 1GHz) Tolerance	±40%
Size Code (in mm)	0603

Product Search Data Sheet

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http://www.murata.com/en-us/products/productdetail?partno=BLM03EB250SH1%23

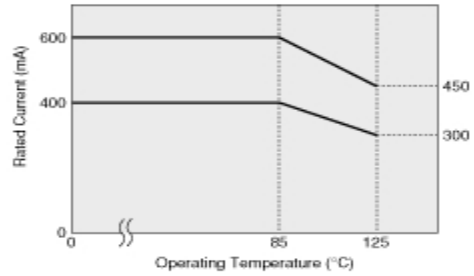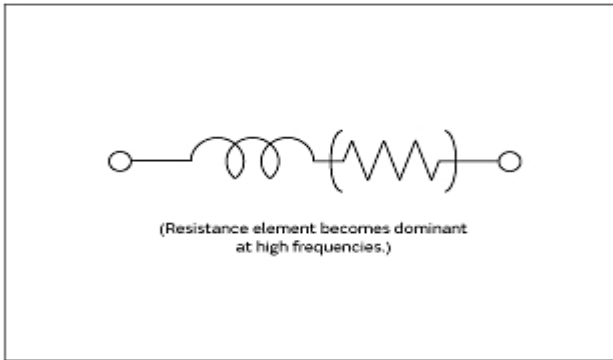# BLM03EB250SH1#

"#" indicates a package specification code.

Product Data

Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM03E series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

URL : https://www.murata.com/

Last updated03/12/2021