BLM21SP111SN1#

"#" indicates a package specification code.

In Production   RoHS   REACH
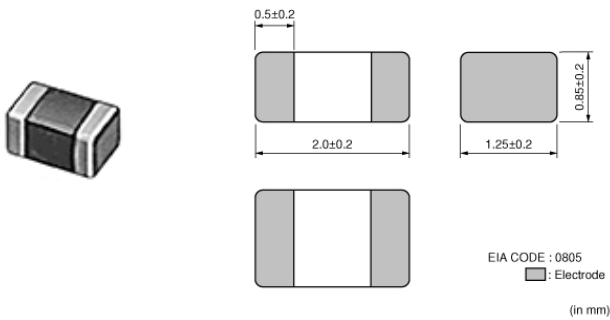
< List of part numbers with package codes >

BLM21SP111SN1B   BLM21SP111SN1D   BLM21SP111SN1J

Appearance & Shape

0.5±0.2

0.85±0.2

2.0±0.2

1.25±0.2

EIA CODE : 0805

▬ : Electrode

(in mm)

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

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.
BLM21SP series can be used in high current circuits due to its low DC resistance.

Applications

Other Usage	For general

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Specifications

Shape	SMD
Size Code (in inch)	0805
Length	2.0mm
Length Tolerance	±0.2mm
Width	1.25mm
Width Tolerance	±0.2mm
Thickness	0.85mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.01g
Number of Circuit	1
Rated Current (at 85℃)	5A
Rated Current (at 125℃)	3.3A
DC Resistance(max.)	0.013Ω
Impedance (at 100MHz)	110Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	2012

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

Last updated07/21/2022

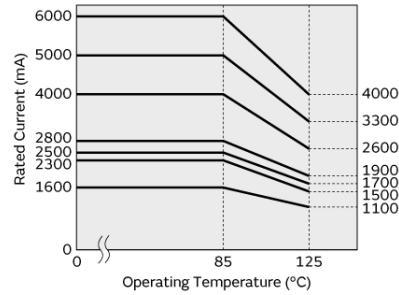# BLM21SP111SN1#

"#" indicates a package specification code.
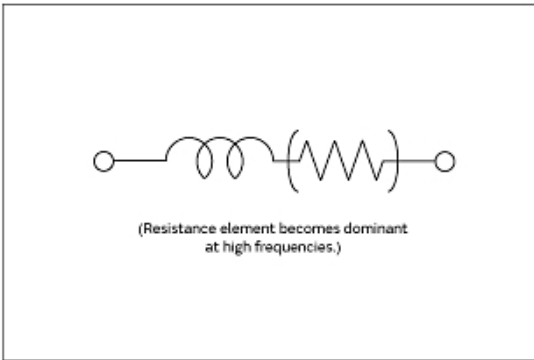
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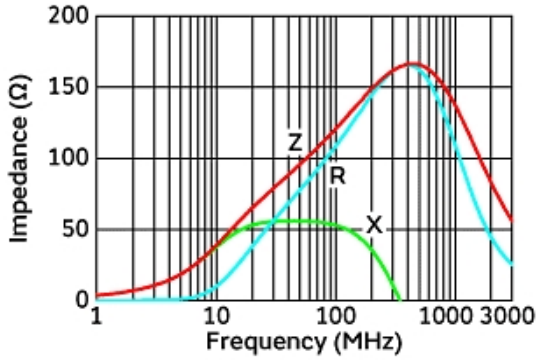
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM21SP 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