Note: This datasheet may be out of date.
Please download the latest datasheet of BLM18EG121SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLM18EG121SN1%23

BLM18EG121SN1#

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

In Production   RoHS   REACH

< List of part numbers with package codes >
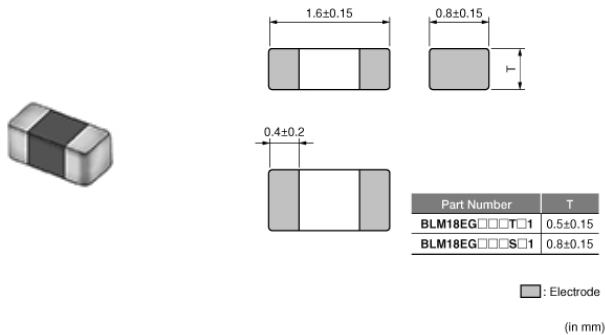
BLM18EG121SN1B   BLM18EG121SN1D   BLM18EG121SN1J

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and 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 Applications	Consumer equipment

Packaging Information

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

Appearance & Shape

1.6±0.15   0.8±0.15

0.4±0.2

Part Number	T
BLM18EG□□□T□1	0.5±0.15
BLM18EG□□□S□1	0.8±0.15

▭ : Electrode

(in mm)

BLM18EG121SN1#

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

Features

BLM18H/BLM18E series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

Features (BLM18H series)
1. BLM18H series realizes high impedance at 1GHz and is suitable for noise suppression from 500MHz to GHz range. The impedance value of HG/HD-type is about three times as large as that of A/B-type at 1GHz, though the impedance characteristic of HG/HD-type is similar to A/B-type at 100MHz or less.
2. HG-type is effective in noise suppression in wide frequency range (several MHz to several GHz). HB/HD-type for high-speed signal line provides a sharper roll-off after the cut-off frequency. HK-type for digital interface and HE-type for optical pickup modules are effective in suppressing the ringing because resistance especially grows in the lower frequency.
3. The magnetic shielded structure minimizes crosstalk.

Features (BLM18E series)
1. Low DC Resistance and a large Rated Current are suitable for noise suppression of the driver circuit.
2. Excellent direct current characteristics
3. Thin type (t=0.5mm) is suitable for small and low profile equipment such as DSC, cellular phones.

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

Last updated 05/05/2024

BLM18EG121SN1#

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

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℃ to 125℃
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 85℃)	2A
Rated Current (at 125℃)	1A
DC Resistance(max.)	0.04Ω
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	145Ω
Impedance (at 1GHz) Tolerance	(Typ.)
Size Code (in mm)	1608

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Last updated05/05/2024

Product Search Data Sheet

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http://www.murata.com/en-us/products/productdetail?partno=BLM18EG121SN1%23

BLM18EG121SN1#
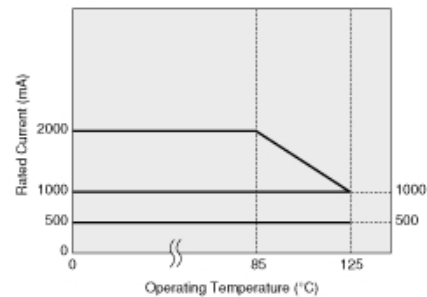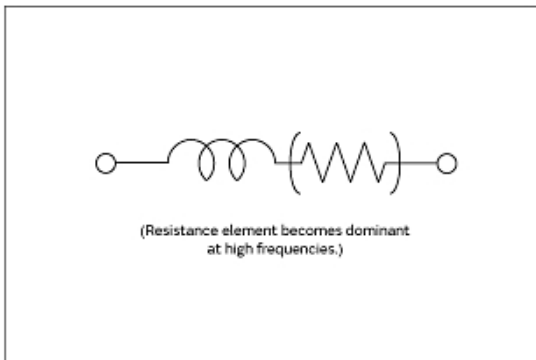
"#"at the end indicates the package specification code.

Product Data
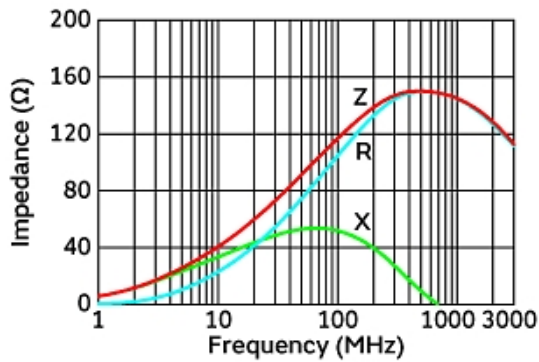
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM18EG 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