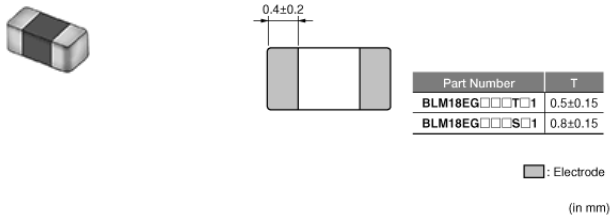
BLM18EG221SN1#

"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >
BLM18EG221SN1D BLM18EG221SN1J BLM18EG221SN1B

Appearance & Shape



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

: Electrode

(in mm)

Packaging Information

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

Applications

Other Usage	For general

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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.

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Specifications

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	0.8mm
Thickness Tolerance	±0.15mm
Impedance (at 100MHz)	220Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	260Ω
Impedance (at 1GHz) Tolerance	(Typ.)
Rated Current (at 85℃)	2A
Rated Current (at 125℃)	1A
DC Resistance(max.)	0.05Ω
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.005g
Number of Circuit	1

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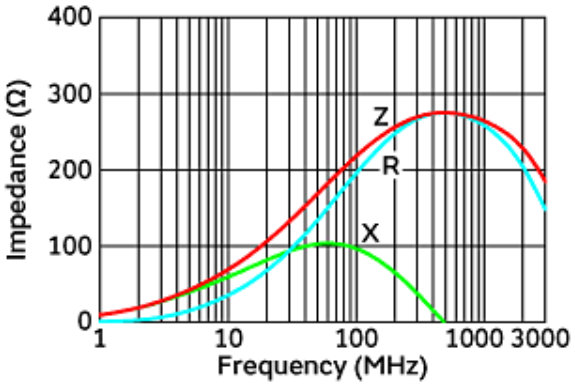
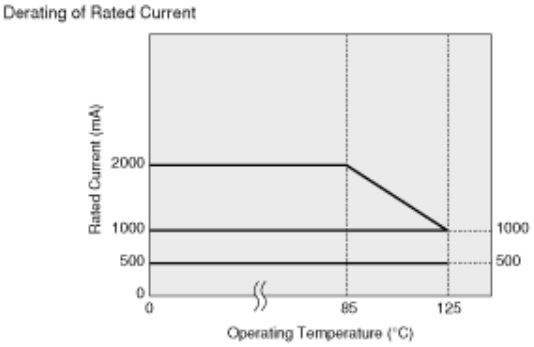
Product Data

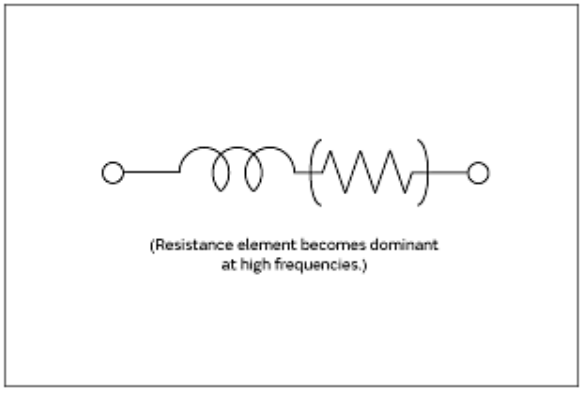


Impedance-Frequency Characteristics

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



Equivalent Circuit