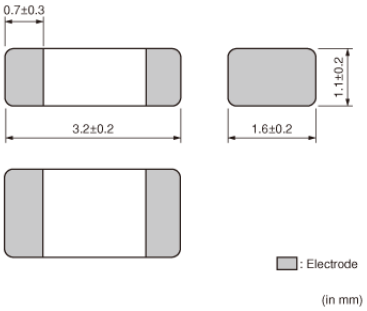
BLM31PG601SH1#

"#" indicates a package specification code.

In Production | RoHS | REACH | AEC-Q200

< List of part numbers with package codes >
BLM31PG601SH1K BLM31PG601SH1B BLM31PG601SH1L

Appearance & Shape



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

Applications

Automotive Usage	Powertrain/Safety

Packaging Information

Packaging	Specifications	Minimum Order Quantity
K	330mm Embossed Tape	10000
B	Bulk(Bag)	1000
L	180mm Embossed Tape	3000

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Specifications

Shape	SMD
Size Code (in mm)	3216
Size Code (in inch)	1206
Length	3.2mm
Length Tolerance	±0.2mm
Width	1.6mm
Width Tolerance	±0.2mm
Thickness	1.1mm
Thickness Tolerance	±0.2mm
Impedance (at 100MHz)	600Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85℃)	1.5A
Rated Current (at 125℃)	1A
DC Resistance(max.)	0.08Ω
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.025g
Number of Circuit	1

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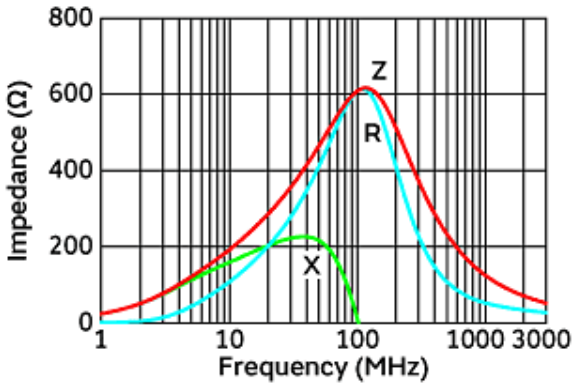
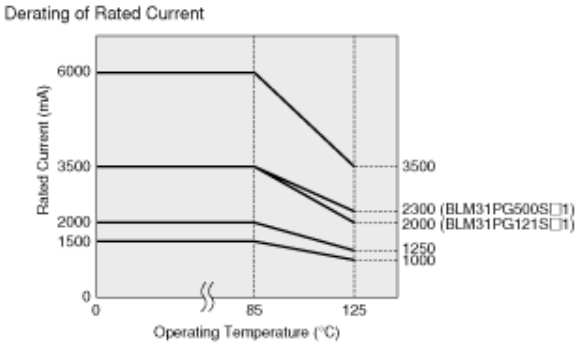
Product Data

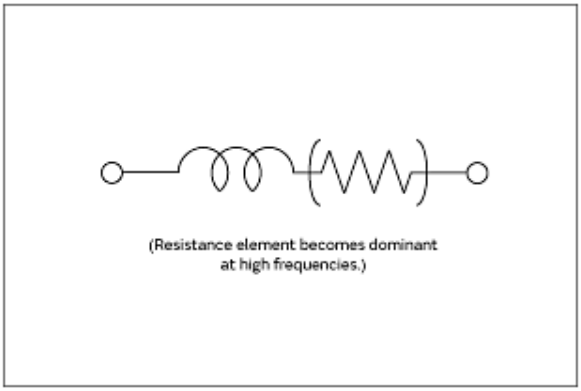


Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM31PG series.
Please apply the derating curve shown in chart according to the operating temperature.



Derating of Rated Current



Equivalent Circuit