

BLM03EB500SZ1#

“#” indicates a package specification code.

In Production

RoHS

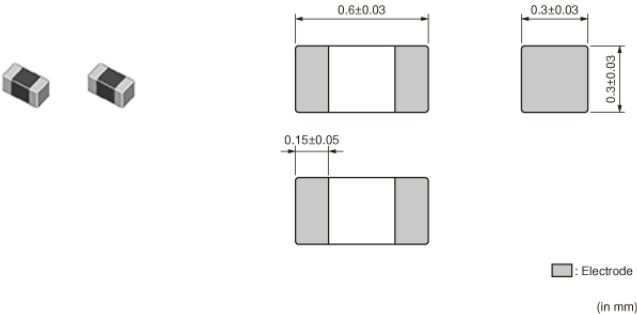
REACH

AEC-Q200

< List of part numbers with package codes >

BLM03EB500SZ1D BLM03EB500SZ1J BLM03EB500SZ1B

Appearance & Shape



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	Infotainment
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Packaging Information

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

Attention
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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.

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Specifications

Shape	SMD	Number of Circuit	1
Size Code (in mm)	0603		
Length	0.6mm		
Length Tolerance	±0.03mm		
Width	0.3mm		
Width Tolerance	±0.03mm		
Thickness	0.3mm		
Thickness Tolerance	±0.03mm		
Impedance (at 100MHz)	50Ω		
Impedance (at 100MHz) Tolerance	±25%		
Impedance (at 1GHz)	255Ω		
Impedance (at 1GHz) Tolerance	±40%		
Rated Current (at 85°C)	400mA		
Rated Current (at 125°C)	300mA		
DC Resistance(max.)	0.58Ω		
Operating Temperature Range	-55°C to 125°C		
Mass(typ.)	0.0003g		

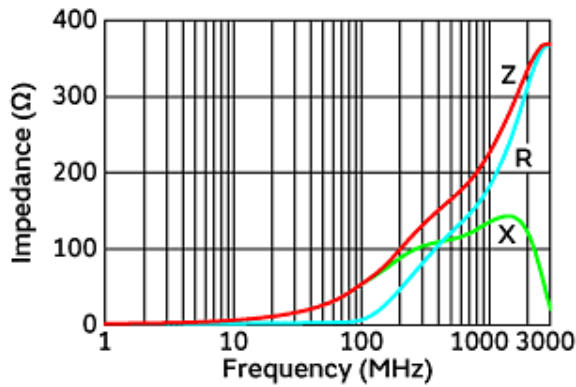
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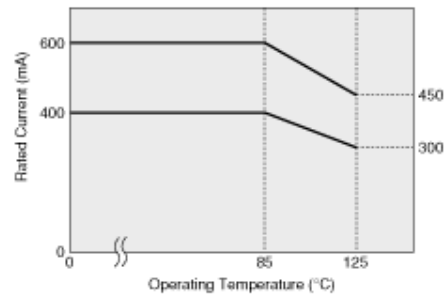
Product Data



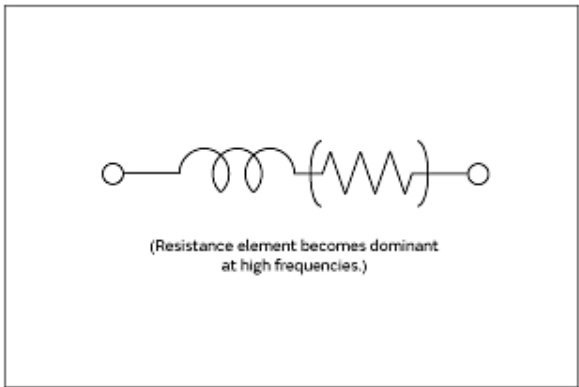
Impedance-Frequency Characteristics

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



Derating of Rated Current



Equivalent Circuit

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