

BLM03EB500SH1#

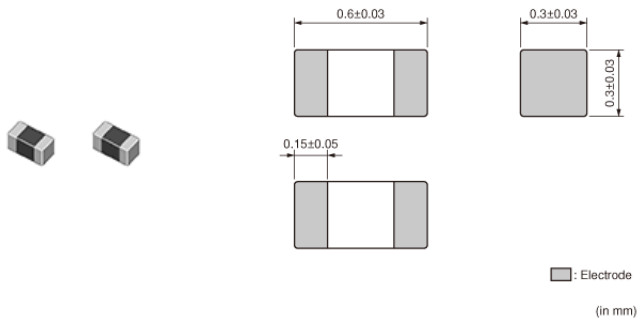
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM03EB500SH1D BLM03EB500SH1J BLM03EB500SH1B

Appearance & Shape



Packaging Information

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

Applications

Automotive Usage	Powertrain/Safety
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Attention

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- 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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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.

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Specifications

Shape	SMD
Size Code (in mm)	0603
Size Code (in inch)	0201
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.)	0.3mg
Number of Circuit	1

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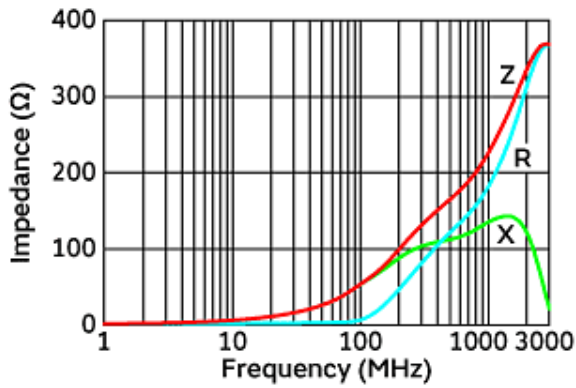
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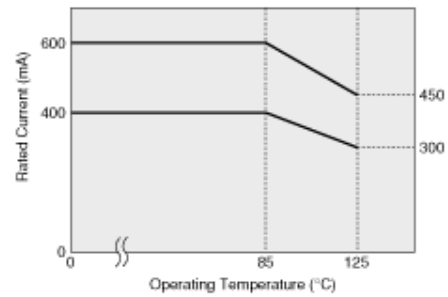
Product Data



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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