

BLM03EB250SZ1#

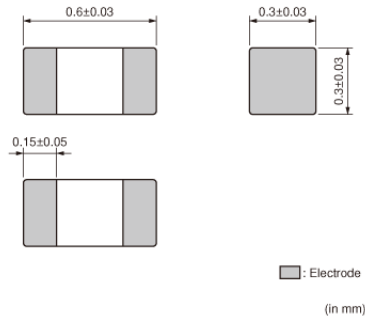
"#" indicates a package specification code.



< List of part numbers with package codes >

BLM03EB250SZ1D BLM03EB250SZ1B BLM03EB250SZ1J

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.

Application

1. Intra-system EMC in cellular phones.
2. EMI countermeasure of cellular phones.
3. Keyed carrier noise countermeasure for cellular phones.
4. EMI countermeasure of NotePC/MID, and DSC

Applications

Automotive Usage	Infotainment
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Packaging Information

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

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2.This datasheet has only typical specifications because there is no space for detailed specifications.
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Specifications

Shape	SMD	Impedance (at 1GHz) Tolerance	±40%
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		
Rated Current	600.0mA		
Operating Temperature Range	-55°C to 125°C		
Mass(typ.)	0.0003g		
Number of Circuit	1		
DC Resistance(max.)	0.26Ω		
Impedance (at 100MHz)	25Ω		
Impedance (at 100MHz) Tolerance	±25%		
Impedance (at 1GHz)	105Ω		

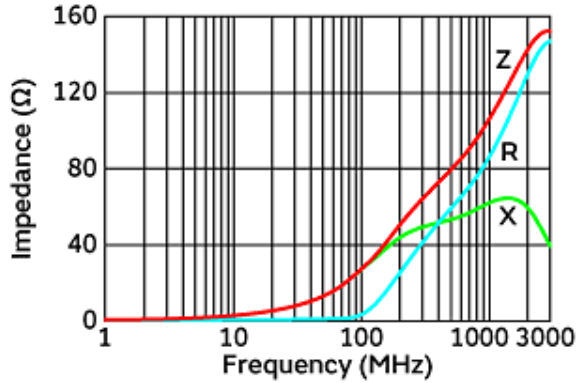
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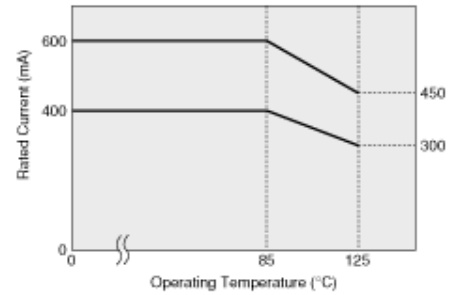
Product Data



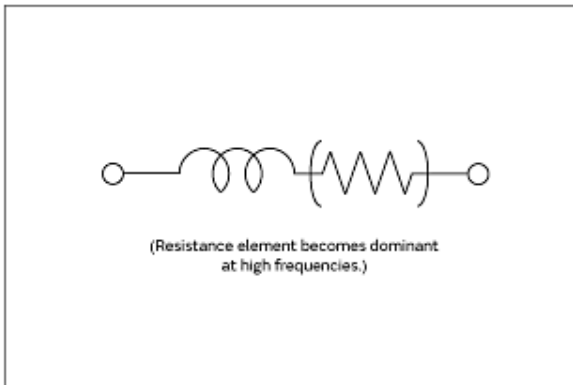
Impedance-Frequency Characteristics

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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