Note: This datasheet may be out of date.
Please download the latest datasheet of BLE18PK100SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLE18PK100SN1%23

BLE18PK100SN1#

"#" indicates a package specification code.

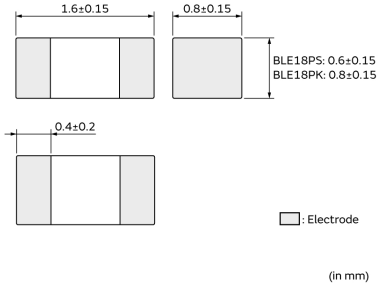
In Production RoHS REACH

< List of part numbers with package codes >

BLE18PK100SN1B BLE18PK100SN1D

Appearance & Shape





(in mm)

Features

1.Bead inductor BLE 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.
2.The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
3.BLE18PK series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.

Applications

Other Usage	For general

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000

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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BLE18PK100SN1#

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Specifications

Shape	SMD
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
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.006g
Number of Circuit	1
Rated Current (at 85℃)	6A
Rated Current (at 125℃)	3.5A
DC Resistance(max.)	0.008Ω
Impedance (at 100MHz)	10Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	45Ω
Impedance (at 1GHz) Tolerance	(Typ.)
Size Code (in mm)	1608

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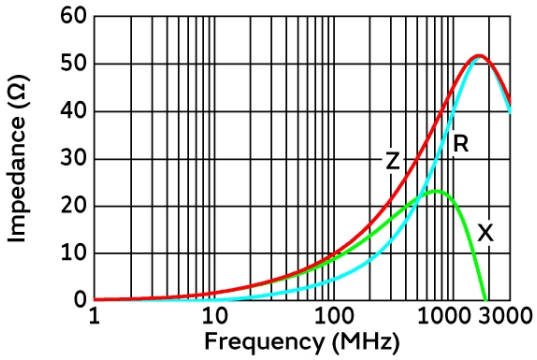
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BLE18PK100SN1#

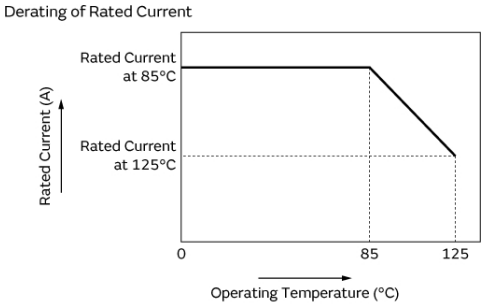
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Product Data

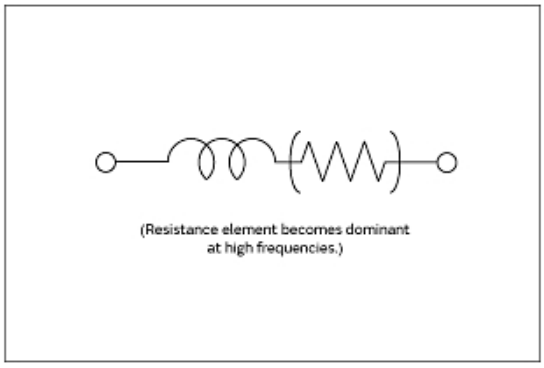


Impedance-Frequency Characteristics

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



Derating of Rated Current



Equivalent Circuit

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