

# BLE18PS080SZ1#

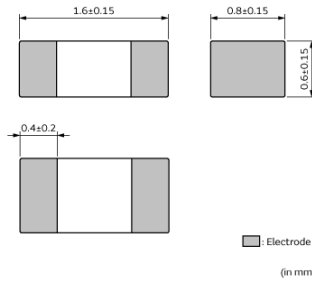
“#” indicates a package specification code.



< List of part numbers with package codes >

BLE18PS080SZ1J BLE18PS080SZ1D BLE18PS080SZ1B

## Appearance & Shape



## 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. BLE18PS080 can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 8ADC.

## Applications

Automotive Usage	Infotainment
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## Packaging Information

Packaging	Specifications	Minimum Order Quantity
J	330mm Paper Tape	10000
D	180mm Paper Tape	4000
B	Bulk(Bag)	1000

### 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 in it 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. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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## Specifications

Shape	SMD
Size Code (in mm)	1608
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.6mm
Thickness Tolerance	±0.15mm
Impedance (at 100MHz)	8.5Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85°C)	8A
Rated Current (at 125°C)	5A
DC Resistance(max.)	0.004Ω
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.004g
Number of Circuit	1

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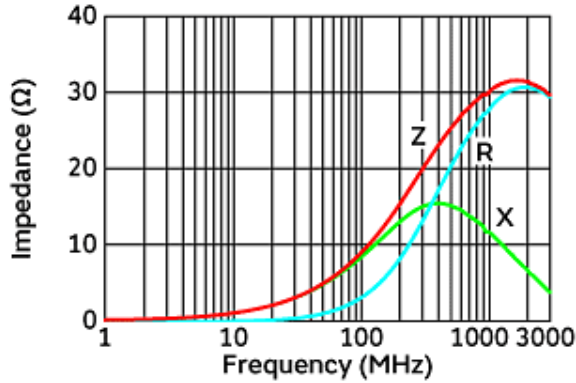
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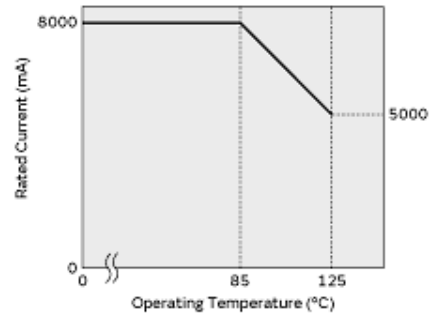
## Product Data



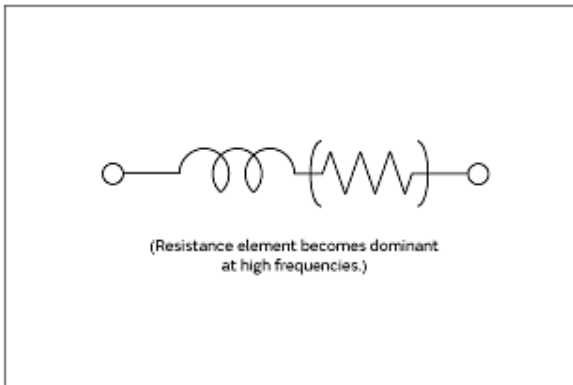
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLE18PS 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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