

BLE18PK160SN1#

Note: This datasheet may be out of date

Please download the latest datasheet of BLE18PK160SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=BLE18PK160SN1%23

"#"at the end indicates the package specification code.







< List of part numbers with package codes > BLE18PK160SN1B BLE18PK160SN1D



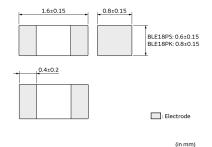
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment, Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer to Our Website and	
Applications	specifications, etc. for information about	
	the performance, functions, quality,	
	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	
Recommended	Canadiana	
Applications	Consumer equipment	



Appearance & Shape





Packaging Information

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



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.

1 of 3

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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
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°C to 125°C
Mass(typ.)	0.006g
Number of Circuit	1
Rated Current (at 85°C)	5A
Rated Current (at 125°C)	2.8A
DC Resistance(max.)	0.012Ω
Impedance (at 100MHz)	16Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	70Ω
Impedance (at 1GHz) Tolerance	(Тур.)
Size Code (in mm)	1608

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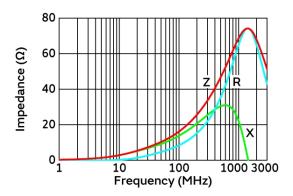
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Product Data

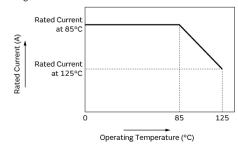


In operating temperature exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in chart according

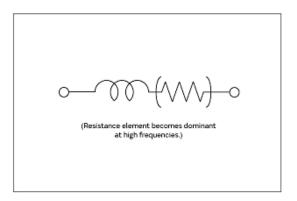
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



Equivalent Circuit

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