

# BLT5BPT680LN1#

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Please download the latest datasheet of BLT5BPT680LN1# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=BLT5BPT680LN1%23

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







# < List of part numbers with package codes > BLT5BPT680LN1B BLT5BPT680LN1L



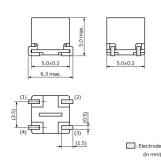
## **Applications**

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		
Applications	Consumer equipment	



## Appearance & Shape







## Packaging Information

		Standard
Packaging	Specifications	Packing
		Quantity
В	Bulk(Bag)	50
L	180mm Embossed Tape	300



### **Features**

- 1.lt can be used under the -55 °C to +150 °C usage environment.
- 2.Meets large current up to 11Amax. suitable for power lines.
- 3. Meets to surface mounting.
- 4.Good bias current characteristics enables less drop down of impedance under large current.

Application
General power lines.

1 of 3

#### 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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# **Specifications**

Shape	SMD
Size Code (in inch)	2020
Length	5.0mm
Length Tolerance	±0.2mm
Width	5.0mm
Width Tolerance	±0.2mm
Thickness	5.0mm
Thickness Tolerance	max.
Operating Temperature Range	-55°C to 150°C
Mass(typ.)	0.48g
Number of Circuit	1
Rated Current (at 85°C)	11A
Rated Current (at 125°C)	7A
Rated Current (at 150°C)	4.5A
DC Resistance(max.)	10mΩ
Impedance (at 100MHz)	68Ω
Impedance (at 100MHz) Tolerance	(Тур.)
Size Code (in mm)	5050

2 of 3

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Please download the latest data

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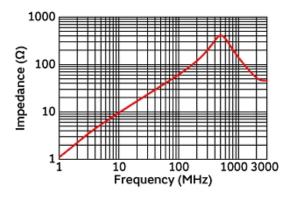
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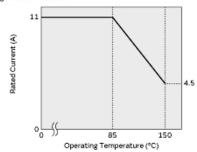
## **Product Data**

BLT5BPT680LN1#



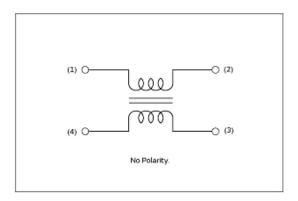
In operating temperature exceeding +85°C, derating of current is necessary for BLT5BPT\_LN1 series. Please apply the derating curve shown in chart according to the operating temperature.

#### Derating of Rated Current



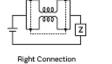
Impedance-Frequency Characteristics

#### **Derating of Rated Current**



# Connect terminal rightly. This product consists of two coils. When it is connected to the same power source line and used as a coil, its inherent properties can be obtained. When it is connected to separate power source lines, serious

connected to separate power source lines, serious trouble such as open or short circuit or flames due to extreme heat generation occurs.





**Equivalent Circuit** 

Notification about terminal connection

3 of 3

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