

Note: This datasheet may be out of date. Please download the latest datasheet of BLT5BPT680LN1# from the official website of Murata Manufacturing Co., Ltd.

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

"#" indicates a package specification code.

BLT5BPT680LN1#





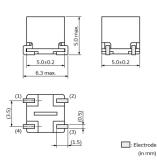


< List of part numbers with package codes > BLT5BPT680LN1B BLT5BPT680LN1L



Appearance & Shape







Features

- 1.It can be used under the -55 °C to +150 °C usage environment.
- 2. Meets large current up to 11 Amax. 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.



Applications

Other Usage	For general
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Packaging Information

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

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Specifications

Shape	SMD
	2020
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

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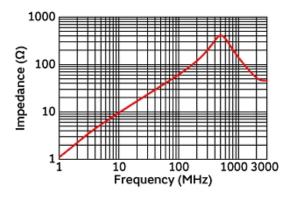
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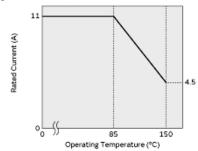
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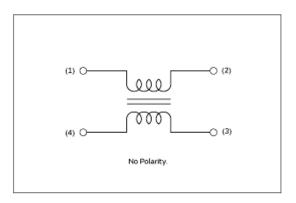
In operating temperature exceeding +85°C, derating of current is necessary for BLT5BPT_LN1 series. Please apply the derating curve shown in chart according to the operating temperature.

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 trouble such as open or short circuit or flames due to extreme heat generation occurs.

Equivalent Circuit

Notification about terminal connection

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