

BLT5BPT680LN1#

“#” indicates a package specification code.

In Production

RoHS

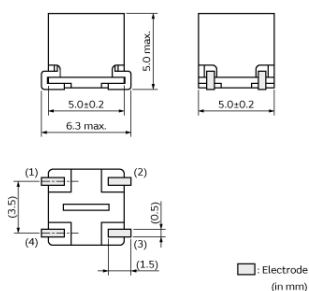
REACH

< 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 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.

Applications

Other Usage

For general

Packaging Information

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

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	(Typ.)
Size Code (in mm)	5050

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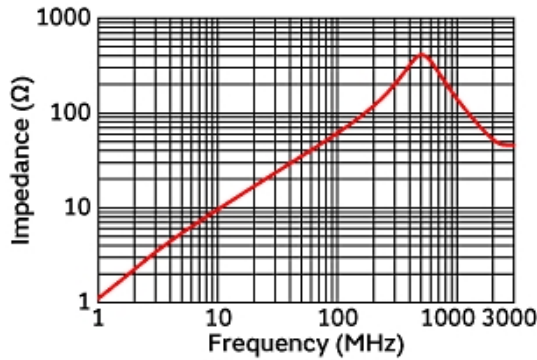
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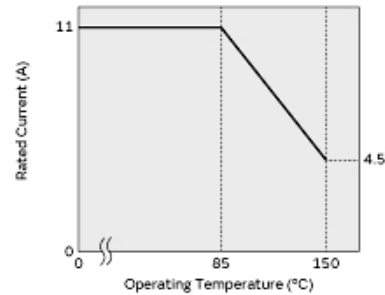
Product Data



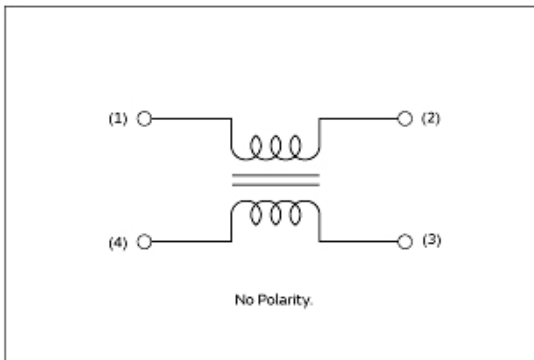
Impedance-Frequency Characteristics

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

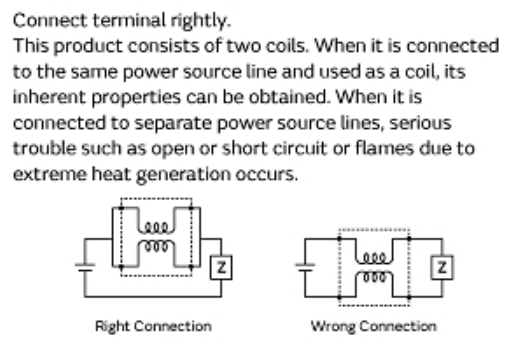
Derating of Rated Current



Derating of Rated Current



Equivalent Circuit



Notification about terminal connection

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