

Product Search Data Sheet

NCP18XQ102E03RB

In Production Recommended RoHS REACH

Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
	Consumer equipment
	Please refer to Our Website and
	specifications, etc. for information about
Specific	the performance, functions, quality,
Specific	management, and safety required for
Applications	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.

Appearance & Shape





Note: This datasheet may be out of date. Please download the latest datasheet of NCP18XQ102E03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NCP18XQ102E03RB

Packaging Information

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper Tape	4000



- 1. Excellent solderability and high stability in environment
- 2. Excellent long time aging stability
- 3. High accuracy in resistance and B-constant
- 4. Flow / Reflow soldering possible

5. Same B-Constant in the same resistance in the three sizes (0805 size / 0603 size / 0402 size)

- Easy to use smaller size in the circuits
- 6. Lead is not contained in the product.
- 7. UL/cULcertified product.(UL1434, File No. E137188)

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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

Resistance (25°C)	1kΩ
Resistance Value Tolerance (at 25°C)	±3%
B-Constant (25/50°C)	3650K
B-Constant (25/50°C) Tolerance	±2%
B-Constant(25/80°C) (Reference Value)	3688K
B-Constant(25/85°C) (Reference Value)	3693K
B-Constant(25/100°C) (Reference Value)	3706K
Max. Voltage	5V
Maximum Operating Current (25°C)	0.316mA
Typical Dissipation Constant (25°C)	1mW/°C
Operating Temperature Range	-40°C to 125°C
Size Code (in mm)	1.6x0.8mm
Size Code (in inch)	0.6x0.3inch
Shape	SMD
Mass	0.0047g
MSL	1

> Glossary of NTC thermistors

Related documents (UL, RoHS, etc.)

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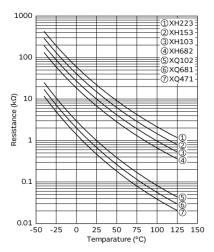
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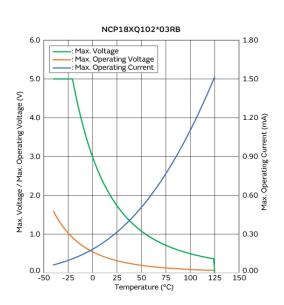
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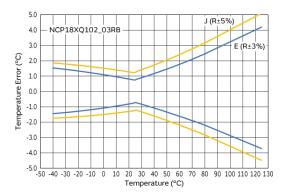




Resistance-Temperature Characteristics



Max. Voltage, Max. Operating Voltage/Current Reduction Curve



Temperature Error Characteristics

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