Note: This datasheet may be out of date.
Please download the latest datasheet of NCP18XW682J03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NCP18XW682J03RB

NCP18XW682J03RB

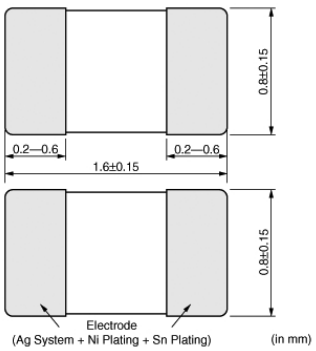
In Production | Recommended | RoHS | REACH

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment Please refer to Our Website and 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.

Appearance & Shape





Packaging Information

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper Tape	4000

Features

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)

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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NCP18XW682J03RB

Specifications

Resistance (25℃)	6.8kΩ
Resistance Value Tolerance (at 25℃)	±5%
B-Constant (25/50℃)	3950K
B-Constant (25/50℃) Tolerance	±3%
B-Constant(25/80℃) (Reference Value)	3982K
B-Constant(25/85℃) (Reference Value)	3987K
B-Constant(25/100℃) (Reference Value)	3998K
Max. Voltage	5V
Maximum Operating Current (25℃)	0.121mA
Typical Dissipation Constant (25℃)	1mW/℃
Operating Temperature Range	-40℃ to 125℃
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.)

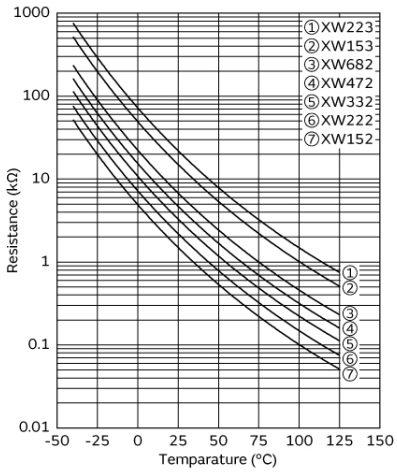
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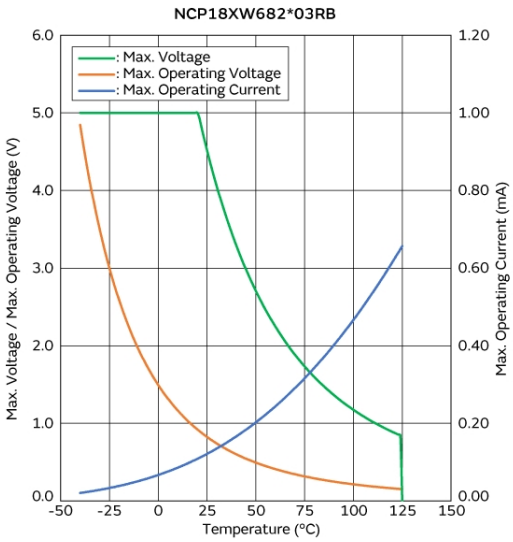
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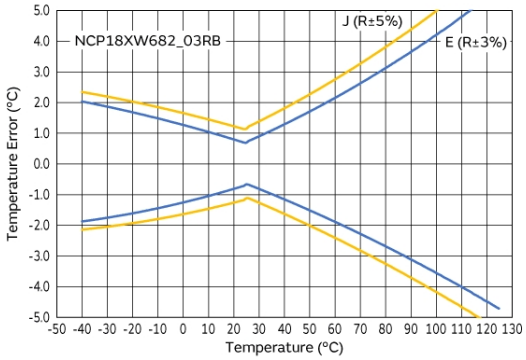
Product Data



Resistance-Temperature Characteristics



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



Temperature Error Characteristics

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