

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of NCP18XQ681J03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NCP18XQ681J03RB

NCP18XQ681J03RB











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







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)

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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

Resistance (25°C)	680Ω	
Resistance Value Tolerance	±5%	
(at 25°C)	1576	
B-Constant (25/50°C)	3650K	
B-Constant (25/50°C)	±3%	
Tolerance	1570	
B-Constant(25/80°C)	3688K	
(Reference Value)	00001	
B-Constant(25/85°C)	3693K	
(Reference Value)	303310	
B-Constant(25/100°C)	3706K	
(Reference Value)	37001	
Max. Voltage	5V	
Maximum Operating Current	0.383mA	
(25°C)	0.36311A	
Typical Dissipation Constant (25°C)	1mW/°C	
Operating Temperature	-40°C to 125°C	
Range	-40 C to 123 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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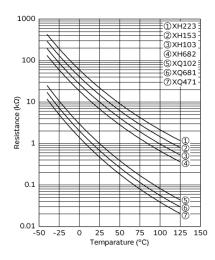
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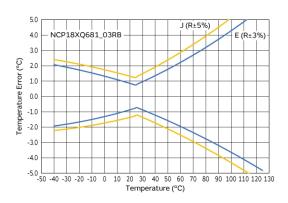
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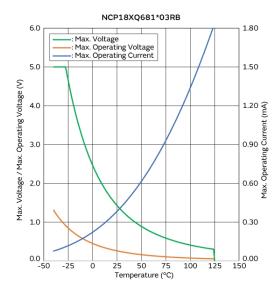


Product Data



Resistance-Temperature Characteristics





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

Temperature Error Characteristics

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