

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of NCP18XQ681E03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NCP18XQ681E03RB

NCP18XQ681E03RB











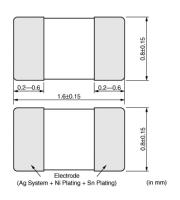
Applications

Unsuitable	Please be sure to read and comply with	
Applications	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)

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NCP18XQ681E03RB



Specifications

Resistance (25°C)	680Ω	
Resistance Value Tolerance	±3%	
(at 25°C)	1370	
B-Constant (25/50°C)	3650K	
B-Constant (25/50°C)	±3%	
Tolerance	153 /0	
B-Constant(25/80°C)	3688K	
(Reference Value)		
B-Constant(25/85°C)	3693K	
(Reference Value)		
B-Constant(25/100°C)	3706K	
(Reference Value)	0.00.1	
Max. Voltage	5V	
Maximum Operating Current	0.383mA	
(25°C)	0.363ffA	
Typical Dissipation Constant (25°C)	1mW/°C	
Operating Temperature	-40°C to 125°C	
Range	-40 C to 120 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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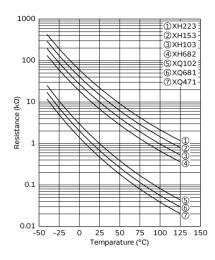
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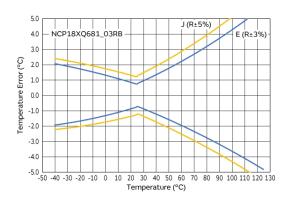
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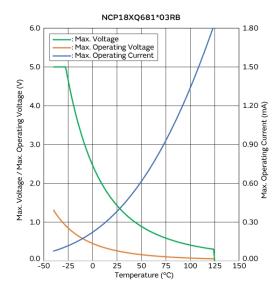


Product Data





Resistance-Temperature Characteristics



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

Temperature Error Characteristics

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