

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of NCP15XQ102E03RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=NCP15XQ102E03RC

NCP15XQ102E03RC











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,	
'	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
RC	180mm Paper Tape	10000



Features

- 1. Excellent solderability and high stability in environment
- 2. Excellent long time aging stability
- 3. High accuracy in resistance and B-Constant
- 4. 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)

1 of 3

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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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NCP15XQ102E03RC



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)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.0012g
MSL	1

- Glossary of NTC thermistors
- > Related documents (UL, RoHS, etc.)

2 of 3

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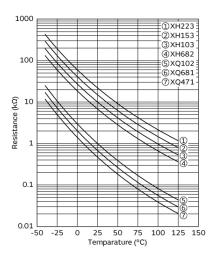
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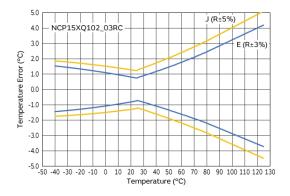
NCP15XQ102E03RC

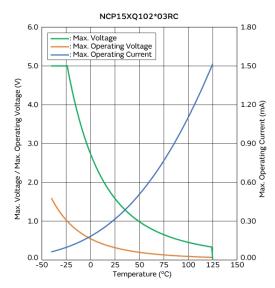


Product Data



Resistance-Temperature Characteristics





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

Temperature Error Characteristics

3 of 3

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