

Product Search Data Sheet

## NCP15XQ102E03RC

In Production Recommended RoHS REACH

### Applications

| Unsuitable               | Please be sure to read and comply with     |
|--------------------------|--|
| Applications             | these "Precautions for use."               |
| Specific<br>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





Note: This datasheet may be out of date.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-gb/products/productdetail?partno=NCP15XQ102E03RC

### Packaging Information

| Packaging | Specifications   | Standard<br>Packing<br>Quantity |
|-----------|------------------|---------------------------------|
| RC        | 180mm Paper Tape | 10000                           |



- 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

#### 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.





## NCP15XQ102E03RC

Note: This datasheet may be out of date.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-gb/products/productdetail?partno=NCP15XQ102E03RC

### Specifications

| Resistance (25°C)                         | 1kΩ            |
|---|----------------|
| Resistance Value Tolerance<br>(at 25°C)   | ±3%            |
| B-Constant (25/50°C)                      | 3650K          |
| B-Constant (25/50°C)<br>Tolerance         | ±2%            |
| B-Constant(25/80°C)<br>(Reference Value)  | 3688K          |
| B-Constant(25/85°C)<br>(Reference Value)  | 3693K          |
| B-Constant(25/100°C)<br>(Reference Value) | 3706K          |
| Max. Voltage                              | 5V             |
| Maximum Operating Current<br>(25°C)       | 0.316mA        |
| Typical Dissipation Constant<br>(25°C)    | 1mW/°C         |
| Operating Temperature<br>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

#### 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.





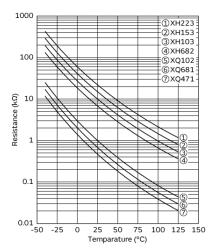
Product Search Data Sheet

# NCP15XQ102E03RC

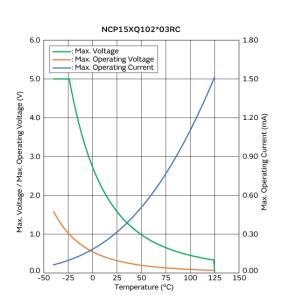
Note: This datasheet may be out of date. Please download the latest datasheet of NCP15XQ102E03RC from the official website of Murata Manufacturing Co., Ltd.

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

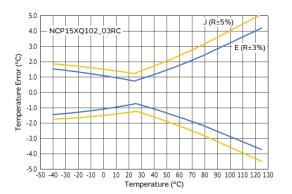




**Resistance-Temperature Characteristics** 



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



**Temperature Error Characteristics** 

3 of 3

#### 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.

