

Product Search Data Sheet

## NCP15XH103E03RC

In Production Recommended RoHS REACH

### Applications

| Unsuitable   | Please be sure to read and comply with     |
|--------------|--|
| Applications | these "Precautions for use."               |
| Onesifia     | Consumer equipment                         |
|              | Please refer to Our Website and            |
|              | specifications, etc. for information about |
|              | 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





Note: This datasheet may be out of date. Please download the latest datasheet of NCP15XH103E03RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NCP15XH103E03RC

## 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)

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#### 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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### Specifications

| Resistance (25°C)                         | 10kΩ           |
|---|----------------|
| Resistance Value Tolerance<br>(at 25°C)   | ±3%            |
| B-Constant (25/50°C)                      | 3380K          |
| B-Constant (25/50°C)<br>Tolerance         | ±1%            |
| B-Constant(25/80°C)<br>(Reference Value)  | 3428K          |
| B-Constant(25/85°C)<br>(Reference Value)  | 3434K          |
| B-Constant(25/100°C)<br>(Reference Value) | 3455K          |
| Max. Voltage                              | 5V             |
| Maximum Operating Current<br>(25°C)       | 0.1mA          |
| 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.)

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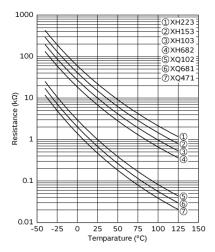
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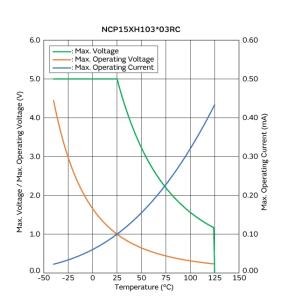
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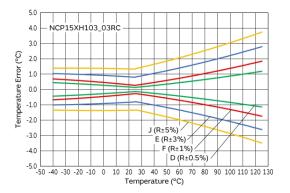




**Resistance-Temperature Characteristics** 



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



**Temperature Error Characteristics** 

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