Note: This datasheet may be out of date.
Please download the latest datasheet of NCP15XV103E03RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=NCP15XV103E03RC

# NCP15XV103E03RC

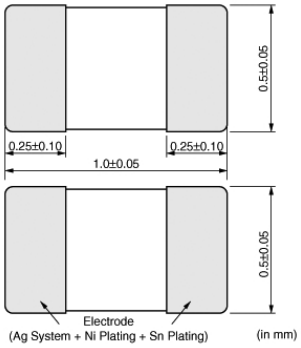
In Production | Recommended | RoHS | REACH

## Applications

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



**Attention**
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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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# NCP15XV103E03RC

## Specifications

| | |
|---|---|
| Resistance (25℃) | 10kΩ |
| Resistance Value Tolerance (at 25℃) | ±3% |
| B-Constant (25/50℃) | 3900K |
| B-Constant (25/50℃) Tolerance | ±3% |
| B-Constant(25/80℃) (Reference Value) | 3930K |
| B-Constant(25/85℃) (Reference Value) | 3934K |
| B-Constant(25/100℃) (Reference Value) | 3944K |
| Max. Voltage | 5V |
| Maximum Operating Current (25℃) | 0.1mA |
| Typical Dissipation Constant (25℃) | 1mW/℃ |
| Operating Temperature Range | -40℃ to 125℃ |
| 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.)



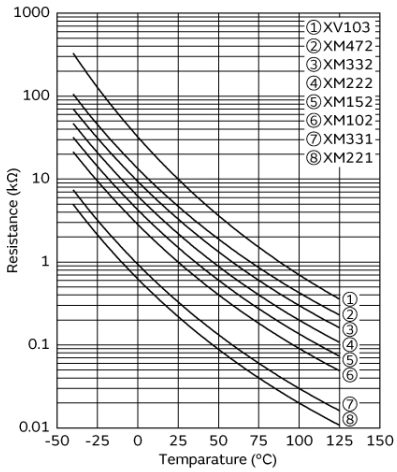
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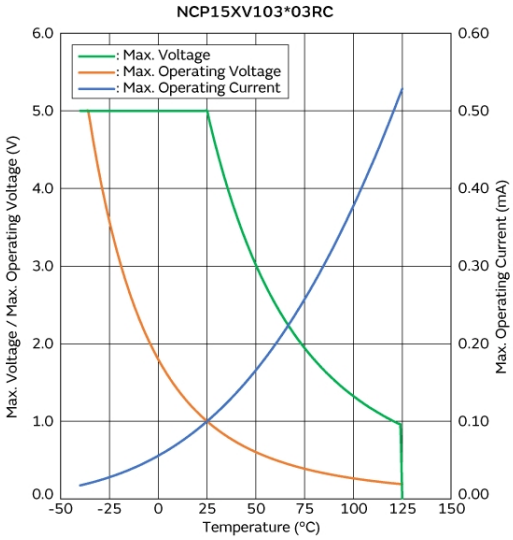
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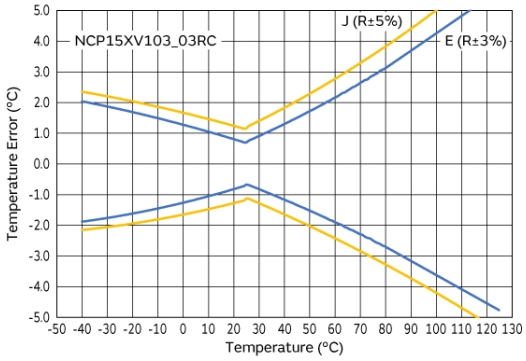
## Product Data




Resistance-Temperature Characteristics




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




Temperature Error Characteristics



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