

Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of NCP18XH103E03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NCP18XH103E03RB

NCP18XH103E03RB











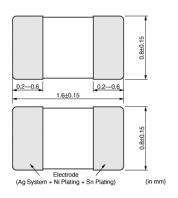
Applications

| 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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Specifications

| Resistance (25°C) | 10kΩ |
|---|----------------|
| Resistance Value Tolerance (at 25°C) | ±3% |
| B-Constant (25/50°C) | 3380K |
| B-Constant (25/50°C) Tolerance | ±1% |
| B-Constant(25/80°C) (Reference Value) | 3428K |
| B-Constant(25/85°C) (Reference Value) | 3434K |
| B-Constant(25/100°C) (Reference Value) | 3455K |
| Max. Voltage | 5V |
| Maximum Operating Current (25°C) | 0.1mA |
| Typical Dissipation Constant (25°C) | 1mW/°C |
| Operating Temperature Range | -40°C to 125°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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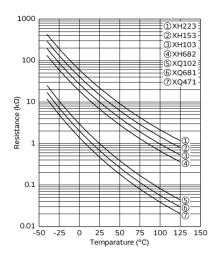
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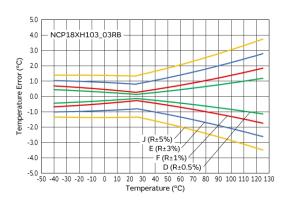
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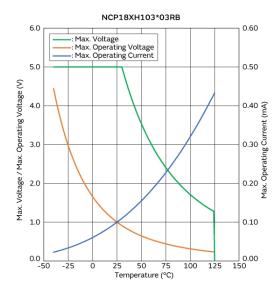


Product Data



Resistance-Temperature Characteristics





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

Temperature Error Characteristics

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