

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of NCP18WB473D03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NCP18WB473D03RB

# NCP18WB473D03RB











## **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,       |
| 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







## Packaging Information

| Packaging | Specifications   | Standard<br>Packing<br>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**

| D 1.4 (050C)                 | 471.0          |  |
|------------------------------|----------------|--|
| Resistance (25°C)            | 47kΩ           |  |
| Resistance Value Tolerance   | ±0.5%          |  |
| (at 25°C)                    |                |  |
| B-Constant (25/50°C)         | 4030K          |  |
| B-Constant (25/50°C)         | ±0.5%          |  |
| Tolerance                    | 10.576         |  |
| B-Constant(25/80°C)          | 4101K          |  |
| (Reference Value)            |                |  |
| B-Constant(25/85°C)          | 4108K          |  |
| (Reference Value)            | 1.00.1         |  |
| B-Constant(25/100°C)         | 4131K          |  |
| (Reference Value)            |                |  |
| Max. Voltage                 | 5V             |  |
| Maximum Operating Current    | 0.046mA        |  |
| (25°C)                       | 0.0401171      |  |
| Typical Dissipation Constant | 1mW/°C         |  |
| (25°C)                       |                |  |
| Operating Temperature        | -40°C to 125°C |  |
| Range                        |                |  |
| 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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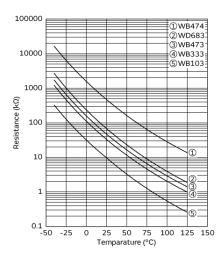
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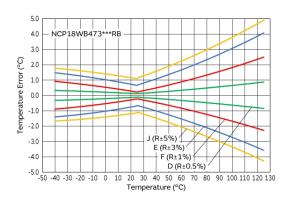
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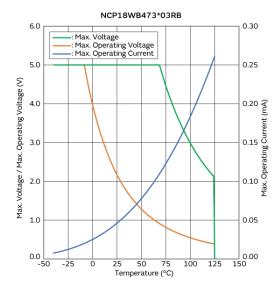


## **Product Data**



Resistance-Temperature Characteristics





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

Temperature Error Characteristics

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