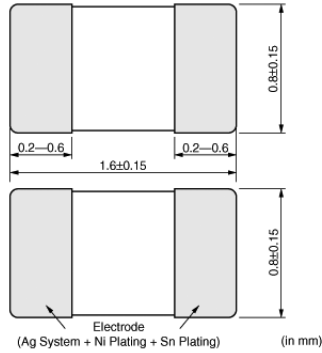


# NCP18XW332J03RB

In Production Recommended RoHS REACH

## Appearance & Shape



## 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. NCP series are recognized by UL/cUL (UL1434, File No.E137188).

## Applications

|               |   |
|---------------|---|
| Limited Usage | Consumer Grade  |
| Other Usage   | <ol style="list-style-type: none"> <li>1. Temperature compensation for transistor, IC and crystal oscillator in mobile communications</li> <li>2. Temperature sensor for rechargeable batteries</li> <li>3. Temperature compensation of LCD</li> <li>4. Temperature compensation in general use of electric circuits</li> </ol> |

## Packaging Information

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| RB        | 180mm Paper Tape | 4000                   |

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

# NCP18XW332J03RB



## Specifications

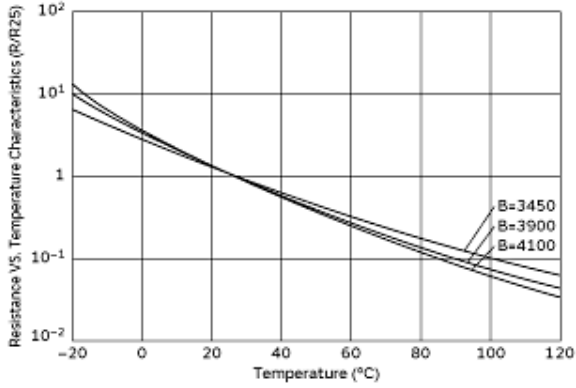
|                                       |                |
|---------------------------------------|----------------|
| Resistance (25°C)                     | 3.3kΩ          |
| Resistance Value Tolerance (at 25°C)  | ±5%            |
| B-Constant (25/50°C)                  | 3950K          |
| B-Constant (25/50°C) Tolerance        | ±3%            |
| B-Constant(25/80°C)(Reference Value)  | 3982K          |
| B-Constant(25/85°C)(Reference Value)  | 3987K          |
| B-Constant(25/100°C)(Reference Value) | 3998K          |
| Max. Voltage                          | 5V             |
| Maximum Operating Current (25°C)      | 0.174mA        |
| 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        |

### Attention

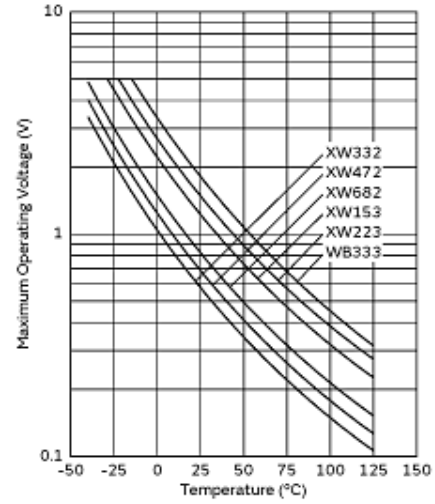
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## Product Data



Resistance-Temperature Characteristics



Maximum Operating Voltage Reduction Characteristics

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