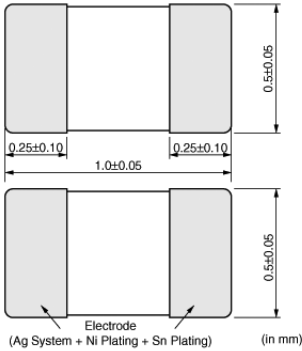


# NCP15XW223J03RC

In Production Recommended RoHS REACH

## Appearance & Shape



## Packaging Information

| Packaging | Specifications   | Minimum Order 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. NCP series are recognized by UL/cUL (UL1434, File No.E137188).

## Applications

|               |                                                                                                                                                                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limited Usage | Consumer Grade                                                                                                                                                                                                                                              |
| Other Usage   | 1. Temperature compensation for transistor, IC and crystal oscillator in mobile communications<br>2. Temperature sensor for rechargeable batteries<br>3. Temperature compensation of LCD<br>4. Temperature compensation in general use of electric circuits |

# NCP15XW223J03RC



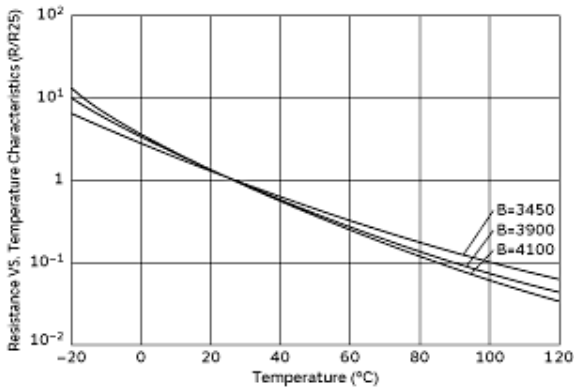
## Specifications

|                                       |                |
|---------------------------------------|----------------|
| Resistance (25°C)                     | 22kΩ           |
| 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)      | 0.067mA        |
| Typical Dissipation Constant (25°C)   | 1mW/°C         |
| Operating Temperature 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        |

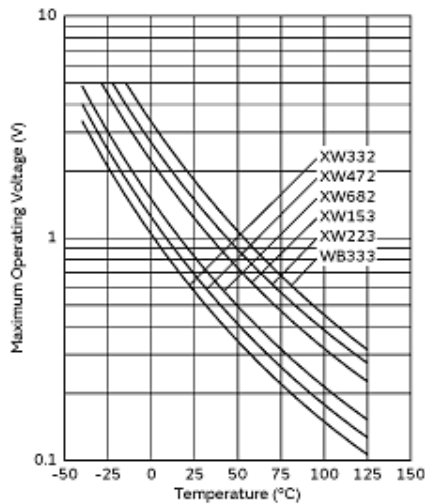
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 2.This datasheet has only typical specifications because there is no space for detailed specifications.  
 Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

# NCP15XW223J03RC

## Product Data



Resistance-Temperature Characteristics



Maximum Operating Voltage Reduction Characteristics

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