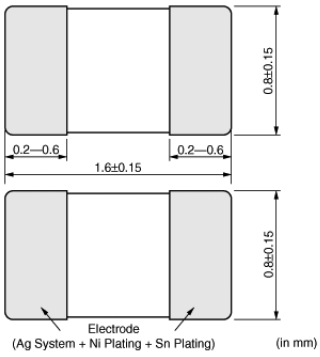
Note: This datasheet may be out of date.
Please download the latest datasheet of NCP18WM224E03RB from the official website of Murata Manufacturing Co., Ltd.
http://www.murata.com/en-SG/products/productdetail?partno=NCP18WM224E03RB

NCP18WM224E03RB

In Production | Recommended | RoHS | REACH

Appearance & Shape



Packaging Information

Packaging	Specifications	Minimum Order 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. 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 2. Temperature sensor for rechargeable batteries 3. Temperature compensation of LCD 4. Temperature compensation in general use of electric circuits

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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NCP18WM224E03RB

Specifications

Resistance (25°C)	220kΩ
Resistance Value Tolerance (at 25°C)	±3%
B-Constant (25/50°C)	4500K
B-Constant (25/50°C) Tolerance	±3%
B-Constant(25/80°C)(Reference Value)	4571K
B-Constant(25/85°C)(Reference Value)	4582K
B-Constant(25/100°C)(Reference Value)	4614K
Max. Voltage	5V
Maximum Operating Current (25°C)	0.021mA
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

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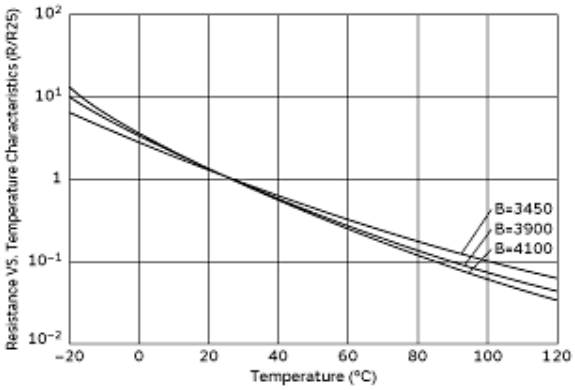
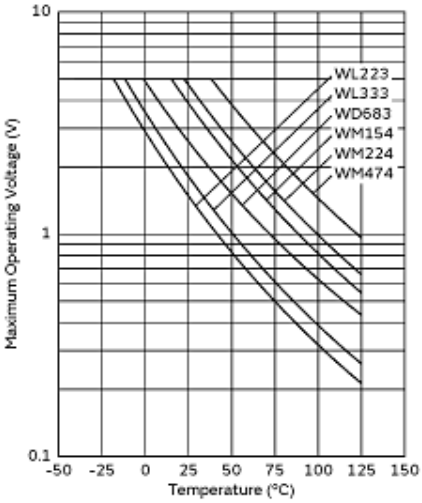
NCP18WM224E03RB

Product Data



Resistance-Temperature Characteristics



Maximum Operating Voltage Reduction Characteristics

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