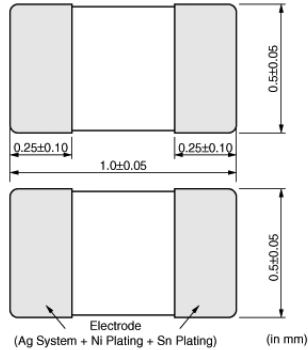# NCP15XH103J03RC

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. 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

Packaging Information

Packaging	Specifications	Minimum Order Quantity
RC	180mm Paper Tape	10000

NCP15XH103J03RC

Specifications

|	
Resistance (25℃)	10kΩ
Resistance Value Tolerance (at 25℃)	±5%
B-Constant (25/50℃)	3380K
B-Constant (25/50℃) Tolerance	±1%
B-Constant(25/80℃)(Reference Value)	3428K
B-Constant(25/85℃)(Reference Value)	3434K
B-Constant(25/100℃)(Reference Value)	3455K
Max. Voltage	5V
Maximum Operating Current (25℃)	0.1mA
Typical Dissipation Constant (25℃)	1mW/℃
Operating Temperature Range	-40℃ to 125℃
Size Code (in mm)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.0012g

Attention
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.
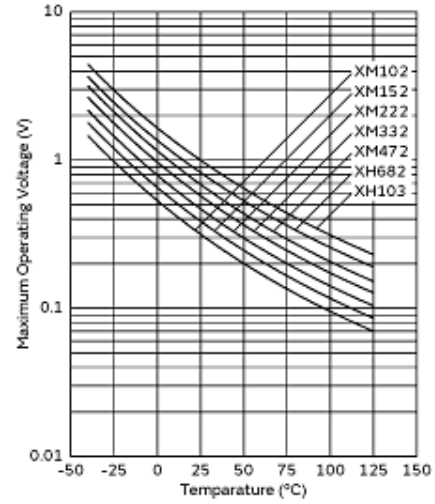Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

NCP15XH103J03RC

Product Data
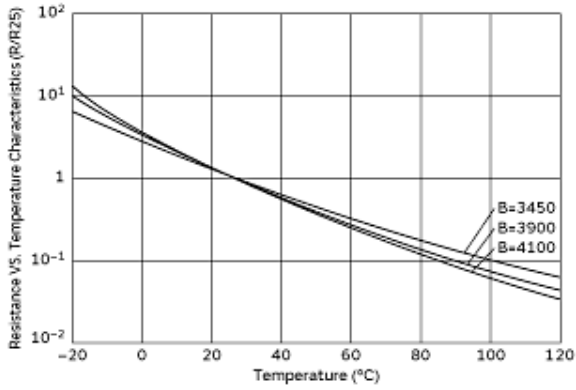
Resistance-Temperature Characteristics

Maximum Operating Voltage Reduction Characteristics

URL : https://www.murata.com/