

### Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of NCP18XH103F03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NCP18XH103F03RB

## NCP18XH103F03RB











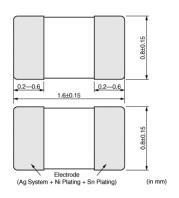
### **Applications**

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 Packing 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**

Resistance (25°C)	10kΩ	
Resistance Value Tolerance	±1%	
(at 25°C)		
B-Constant (25/50°C)	3380K	
B-Constant (25/50°C)	±1%	
Tolerance	1 1 70	
B-Constant(25/80°C)	3428K	
(Reference Value)	J4201\	
B-Constant(25/85°C)	3434K	
(Reference Value)	34341	
B-Constant(25/100°C)	3455K	
(Reference Value)	37501	
Max. Voltage	5V	
Maximum Operating Current	0.1mA	
(25°C)	O. IIIIA	
Typical Dissipation Constant	1mW/°C	
(25°C)	miv, 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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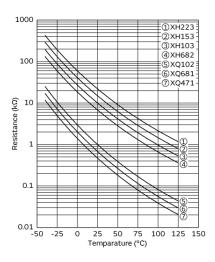
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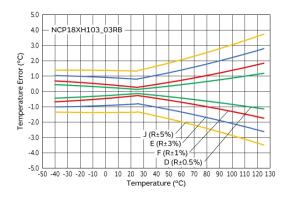
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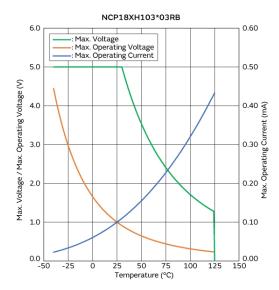


### **Product Data**



Resistance-Temperature Characteristics





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

Temperature Error Characteristics

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