

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of NCP18XM221J03RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NCP18XM221J03RB

NCP18XM221J03RB











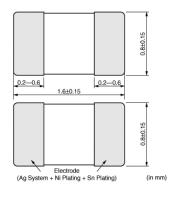
Applications

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

	ı
Resistance (25°C)	220Ω
Resistance Value Tolerance (at 25°C)	±5%
B-Constant (25/50°C)	3500K
B-Constant (25/50°C) Tolerance	±3%
B-Constant(25/80°C) (Reference Value)	3539K
B-Constant(25/85°C) (Reference Value)	3545K
B-Constant(25/100°C) (Reference Value)	3560K
Max. Voltage	5V
Maximum Operating Current (25°C)	0.674mA
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
MSL	1

- Glossary of NTC thermistors
- > Related documents (UL, RoHS, etc.)

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NCP18XM221*03RB

Max. Voltage Max. Operating Voltage Max. Operating Current

3.00

2.50

2.00 €

1.00 C. Operating Current (r

1.00

0.50

___ 0.00 150

100 125

Max. Voltage, Max. Operating Voltage/Current

Temperature (°C)

Reduction Curve

http://www.murata.com/en-us/products/productdetail?partno=NCP18XM221J03RB

6.0

5.0

4.0

3.0

2.0

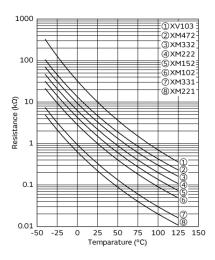
0.0

Max. Voltage / Max. Operating Voltage (V)

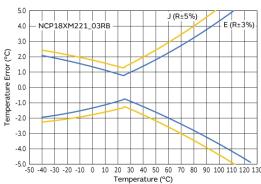
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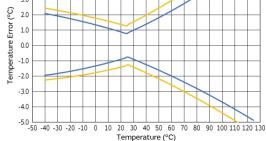


Product Data



Resistance-Temperature Characteristics





Temperature Error Characteristics

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