

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of NCP03XV103J05RL from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NCP03XV103J05RL

# NCP03XV103J05RL











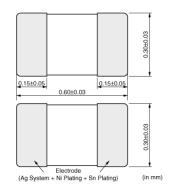
## **Applications**

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B]	
	Please refer to Our Website and	
	specifications, etc. for information about	
Specific	the performance, functions, quality,	
Applications	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	



## Appearance & Shape







## Packaging Information

Packa	ging	Specifications	Standard Packing Quantity
RL		180mm Paper Tape	15000



## **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. Lead is not contained in the product.
- 6. UL/cULcertified product.(UL1434, File No. E137188)

1 of 3

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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# **Specifications**

Resistance (25°C)	10kΩ
Resistance Value Tolerance (at 25°C)	±5%
B-Constant (25/50°C)	3900K
B-Constant (25/50°C) Tolerance	±1%
B-Constant(25/80°C) (Reference Value)	3930K
B-Constant(25/85°C) (Reference Value)	3934K
B-Constant(25/100°C) (Reference Value)	3944K
Max. Voltage	5V
Maximum Operating Current (25°C)	0.1mA
Typical Dissipation Constant (25°C)	1mW/°C
Operating Temperature Range	-40°C to 125°C
Size Code (in mm)	0.6x0.3mm
Size Code (in inch)	0.2x0.1inch
Shape	SMD
Mass	0.00026g
MSL	1

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

2 of 3

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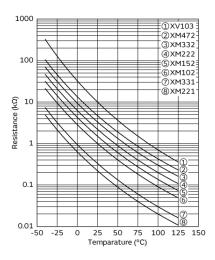
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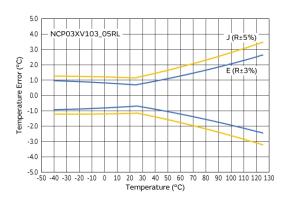
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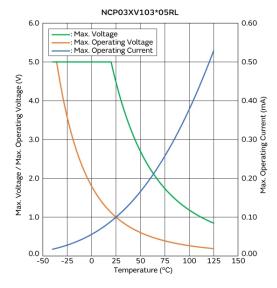


## **Product Data**



Resistance-Temperature Characteristics





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

Temperature Error Characteristics

3 of 3

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