

Product Search Data Sheet

NCP03XH103J05RL

In Production Recommended RoHS REACH

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





Note: This datasheet may be out of date. Please download the latest datasheet of NCP03XH103J05RL from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=NCP03XH103J05RL

Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| RL | 180mm Paper Tape | 15000 |



- 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)

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.





NCP03XH103J05RL

Note: This datasheet may be out of date. Please download the latest datasheet of NCP03XH103J05RL from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=NCP03XH103J05RL



Specifications

| Resistance (25°C) | 10kΩ |
|---|----------------|
| Resistance Value Tolerance (at 25°C) | ±5% |
| B-Constant (25/50°C) | 3380K |
| B-Constant (25/50°C) Tolerance | ±1% |
| B-Constant(25/80°C) (Reference Value) | 3428K |
| B-Constant(25/85°C) (Reference Value) | 3434K |
| B-Constant(25/100°C) (Reference Value) | 3455K |
| 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

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.





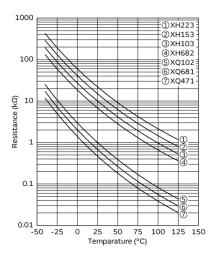
Product Search Data Sheet

NCP03XH103J05RL

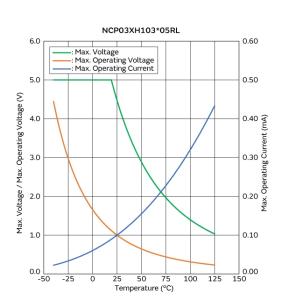
Note: This datasheet may be out of date. Please download the latest datasheet of NCP03XH103J05RL from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=NCP03XH103J05RL

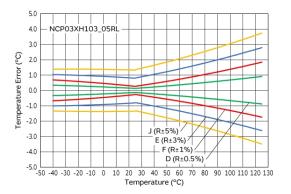




Resistance-Temperature Characteristics



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



Temperature Error Characteristics

3 of 3

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.

