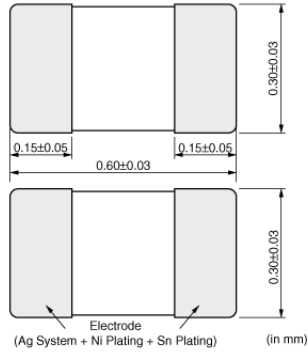


NCP03XH103J05RL

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. Lead is not contained in the product.
6. NCP series are recognized by UL/cUL (UL1434, File No.E137188).

Applications

Limited Usage	Mobile Application, Tablet PC, Wearable
Other Usage	<ol style="list-style-type: none"> 1. Temperature compensation for transistor, IC and crystal oscillator in mobile communications 2. Temperature sensor for rechargeable batteries

Packaging Information

Packaging	Specifications	Minimum Order Quantity
RL	180mm Paper Tape	15000

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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



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
Permissible Operating Current (25°C)	0.31mA
Rated Electric Power (25°C)	100.0mW
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

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Product Data



Resistance-Temperature Characteristics



Maximum Operating Voltage Reduction Characteristics

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