

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of NTSD1WD503FPB50 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=NTSD1WD503FPB50

# NTSD1WD503FPB50









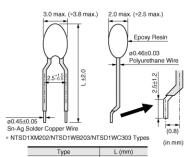
## **Applications**

| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Industrial Equipment                       |  |
|                          | Please refer to Our Website and            |  |
|                          | specifications, etc. for information about |  |
|                          | the performance, functions, quality,       |  |
|                          | management, and safety required for        |  |
|                          | the above applications, and use            |  |
|                          | Products after confirming the              |  |
|                          | performance and reliability of the actual  |  |
|                          | Product.                                   |  |



### Appearance & Shape





| 1XM202/NTSD1WB203/NTSD1WC303 Types |        |  |
|------------------------------------|--------|--|
| Type                               | L (mm) |  |
| NTSD1_FPB30                        | 30     |  |
| NTSD1_FPB40                        | 40     |  |
| NTSD1 FPB50                        | 50     |  |



### **Packaging Information**

| Packaging | Specifications | Standard<br>Packing<br>Quantity |
|-----------|----------------|---------------------------------|
| -         | Bulk(Bag)      | 200                             |



### **Features**

- 1. Electric insulation on lead wire
- 2. Excellent bending resistance due to suitable hardness of surface coating
- 3. Easy handling due to most suitable hardness of surface of coating
- 4. +/-1% of resistance and B-Constant tolerance is realized due to uniform thickness by the precise sheet forming method.

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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)                         | 50kΩ            |
|---|-----------------|
| Resistance Value Tolerance<br>(at 25°C)   | ±1%             |
| B-Constant (25/50°C)                      | 4150K           |
| B-Constant (25/50°C)<br>Tolerance         | ±1%             |
| B-Constant(25/80°C)<br>(Reference Value)  | 4205K           |
| B-Constant(25/85°C)<br>(Reference Value)  | 4213K           |
| B-Constant(25/100°C)<br>(Reference Value) | 4234K           |
| Maximum Operating Current (25°C)          | 0.05mA          |
| Rated Electric Power (25°C)               | 15.0mW          |
| Typical Dissipation Constant (25℃)        | 1.5mW/°C        |
| Operating Temperature<br>Range            | -40°C to 125°C  |
| Thermal Time Constant                     | 7s              |
| Lead Shape                                | Insulation type |
| Shape                                     | Lead            |
| Mass                                      | 0.16g           |
| MSL                                       | N               |

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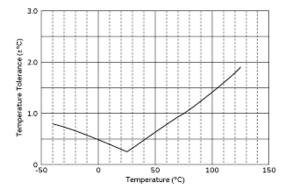
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### **Product Data**



Temperature Tolenrance-Temperature Characteristics

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