

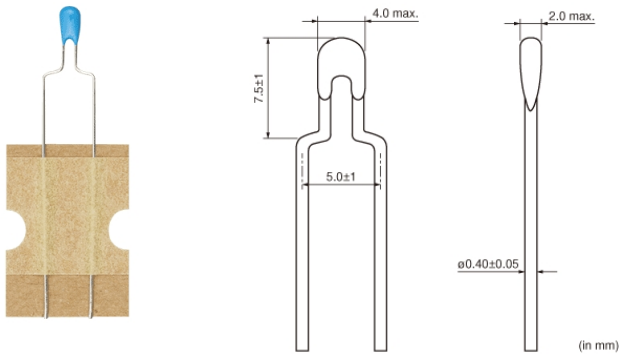
# NXRS15XV502FA3A016



## Applications

|                         |                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                            |
| Specific Applications   | Automotive powertrain/safety equipment<br>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



## Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|----------------|---------------------------|
| A016      | Ammo Pack      | 2500                      |

## Features

1. High accuracy and high sensibility temperature sensing is available by the high accuracy NTC Thermistor.
2. This product is compatible with 1005 (1.0mm \* 0.5mm) size NTC Thermistor.
3. The variation per hour of this product is stable few.
4. This product is produced with the automation line which was consistent from a lead to packing so that the product of uniform quality may be obtained at low cost in large quantities.
5. Since this product has strong lead intensity with original lead mounting technique, it is bent at the time of use and can perform processing etc. freely. Moreover, taping supply can also respond.
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.

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## Specifications

|                                        |                |
|----------------------------------------|----------------|
| Resistance (25°C)                      | 5kΩ            |
| Resistance Value Tolerance (at 25°C)   | ±1%            |
| B-Constant (25/50°C)                   | 3936K          |
| B-Constant (25/50°C) Tolerance         | ±1%            |
| B-Constant(25/80°C) (Reference Value)  | 3971K          |
| B-Constant(25/85°C) (Reference Value)  | 3977K          |
| B-Constant(25/100°C) (Reference Value) | 3989K          |
| Maximum Operating Current (25°C)       | 0.17mA         |
| Rated Electric Power (25°C)            | 7.5mW          |
| Typical Dissipation Constant (25°C)    | 1.5mW/°C       |
| Operating Temperature Range            | -40°C to 125°C |
| Thermal Time Constant                  | 4s             |
| Lead Shape                             | Lead Wire type |
| Size Code (in mm)                      | 016=16mm       |
| Size Code (in inch)                    | 016=16mm       |
| Shape                                  | Lead           |
| Mass                                   | 0.087g         |
| MSL                                    | N              |

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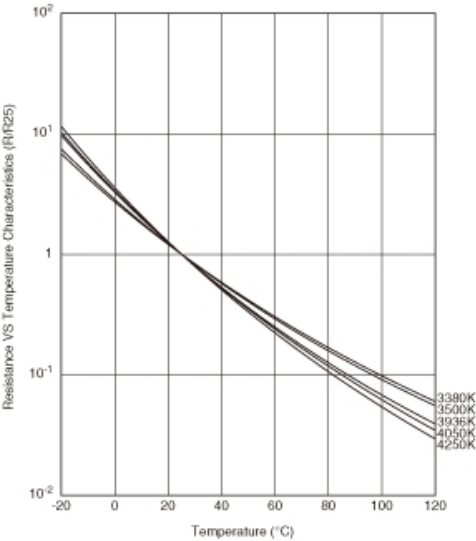
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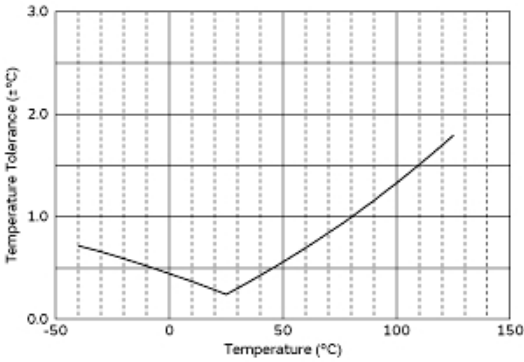
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## Product Data



Resistance-Temperature Characteristics



Temperature Tolerance VS. Temp.

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