

Please be sure to read these general terms of use, before using this product.

# NXFT15XV103FA2B\_\_\_

Sensors > Temperature Sensors > NTC for Temperature Sensor  
Thermistors > NTC Thermistors > NTC for Temperature Sensor

In Production Recommended ?

RoHS REACH ?

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### Details

Caution/Notice >

Specifications and Test Method >

Resistance VS. Temperature >

### Library

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Selection Guides >

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### Related FAQs

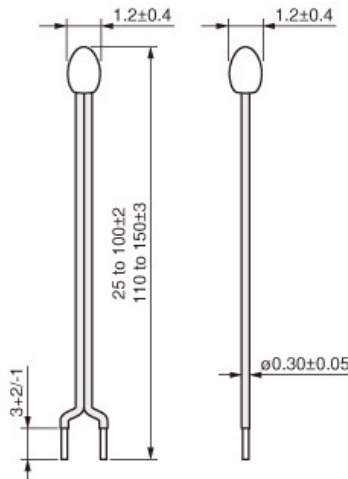


Thermistors FAQ >

### Product News

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## Appearance & Shape



The full length 25mm, 30 to 150mm interval 10mm. (in mm)

## Specifications

Resistance (25°C)	10kΩ
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)	3988K
Maximum Operating Current (25°C)	0.12mA
Rated Electric Power (25°C)	7.5mW
Typical Dissipation Constant (25°C)	1.5mW/°C
Thermal Time Constant	4s
Operating Temperature Range	-40°C to 125°C
Lead Shape	Lead Wire type
Shape	Lead
Mass	0.03g to 0.15g

## Features

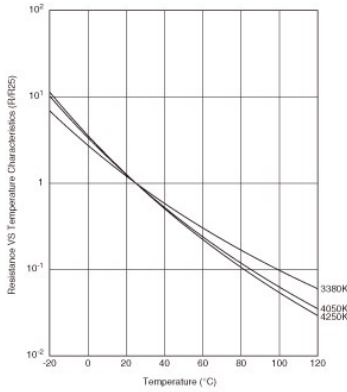
1. High accuracy and high sensibility temperature sensing is available by the small size and high accuracy NTC Thermistor.
2. Narrow space temperature sensing is available by the small sensing head and the thin lead wire.
3. Flexibility and wide variety length (25 mm to 150mm) enables designing flexible temperature sensing architectures.
4. This product is compatible with our 0402 (EIA) size chip Thermistor.
5. Excellent long time aging stability
6. This is halogen free product (Cl= max.900ppm、Br=max.900ppm and Cl+Br=max.1500ppm).
7. Lead is not contained in the product.
8. NXF series are recognized by UL/cUL (UL1434, File No.E137188).

## Applications

Limited Usage	Consumer Grade
Other Usage	<ol style="list-style-type: none"> <li>1. Temperature compensation for transistor, IC and crystal oscillator in mobile communications</li> <li>2. Temperature sensor for rechargeable batteries</li> <li>3. Temperature compensation of LCD</li> <li>4. Temperature compensation in general use of electric circuits</li> </ol>

## Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	1000



Resistance-Temperature Characteristics

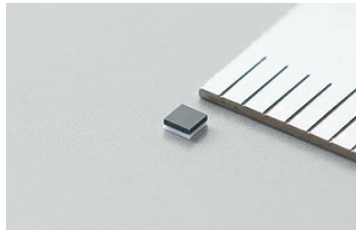
## Recommended Contents



### Automotive

These are Application Guides of Murata solution and products for Powertrain/Safety, HEV/PHEV/EV, Information/Comfort/Accessory and Bike/EV Bike.

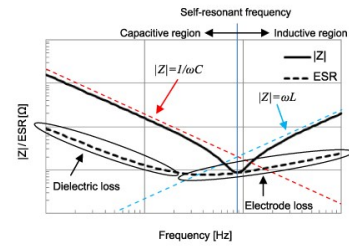
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### ...ultra small RAIN RFID tag for wearable and ...

...the release of our latest RAIN RFID tag designed for embeddable applications – p/n LXMSJZNCMF-198...RAIN\*1 RFID adoption rates are rising as ...

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### What are impedance/ ESR frequency ...

In actual capacitors, however, there is some resistance (ESR) from loss due to dielectric substances, electrodes or other components in addition to the capacity component C...

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- Thermistors
- Sensors
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- Quartz Devices
- Sound Components (Buzzer)
- Power Devices
- Small Energy Devices
- Batteries
- Micro Mechatronics
- RFID Products
- Matching Devices
- Balun
- Coupler
- Filters
- SAW Components
- Phase Shifter
- RF Switch
- Front End Module
- Connectors
- Antennas
- RF Modules
- LPWA Products
- Wireless Connectivity Platforms
- Ultra Low power Short Range RF-IC
- LTCC Multilayer Substrates
- Ionizers / Active Oxygen Module (Ozonizers)

## Applications

- SmartHome
- Medical and Healthcare
- Automotive
- Mobile Communication
- Network
- Data Center
- Lighting
- Industrial Equipment
- White Goods
- Personal Computers
- Business Machine
- AV
- Security & Safety

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- Video Presentation of Design Tools

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Approach for chemical regulation for Murata Products.



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