

# NXFT15XV103FEAB\_\_\_\_\_

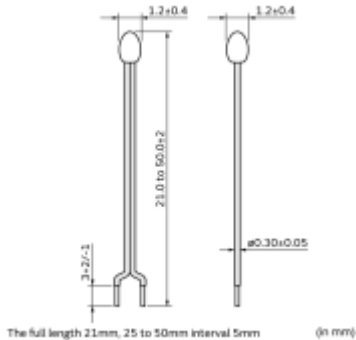
In Production

Recommended

RoHS

REACH

## Appearance & Shape



## 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 50mm) 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.

## 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

**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.

# NXFT15XV103FEAB\_\_\_\_\_



## Specifications

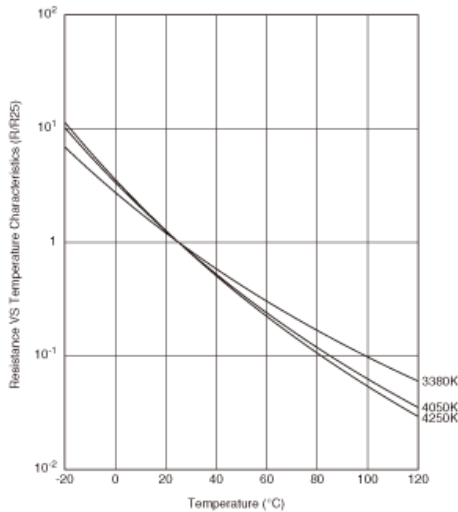
Resistance (25°C)	10kΩ
Resistance Value Tolerance (at 25°C)	±1%
B-Constant (25/50°C)	3936K
B-Constant (25/50°C) Tolerance	±1%
B-Constant(25/80°C)(Reference Value)	3971K
B-Constant(25/85°C)(Reference Value)	3977K
B-Constant(25/100°C)(Reference Value)	3988K
Maximum Operating Current (25°C)	0.077mA
Rated Electric Power (25°C)	3.0mW
Typical Dissipation Constant (25°C)	0.6mW/°C
Thermal Time Constant	3s
Operating Temperature Range	-40°C to 125°C
Lead Shape	Lead Wire type
Shape	Lead
Mass	0.03g ~ 0.05g

### Attention

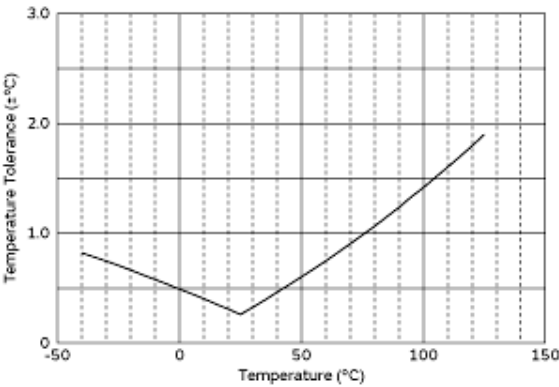
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
2.This datasheet 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.

# NXFT15XV103FEAB\_\_\_\_\_

## Product Data



Resistance-Temperature Characteristics



Temperature Tolerance VS. Temp.

**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.