

## Assembled Temperature NTC Sensor for M3 cable lug



<b>Element:</b>	<b>Murata 2x NTC</b> Murata-Part-Nr.: 2x NXFT15XV103FEAB050
<b>Resistance:</b>	10 k $\Omega$ $\pm$ 1%
<b>B-Constant:</b>	3977K (25/85)
<b>Circuitry:</b>	2-Wire twisted
<b>Wire:</b>	AWG 26/7
<b>Wire typ:</b>	PTFE AgCu
<b>Wire Colour:</b>	White + Red
<b>Wire length:</b>	400 mm $\pm$ 25 mm
<b>End of Wire:</b>	JST plug
<b>Cable lug:</b>	M3
<b>Temperature :</b>	-40 $^{\circ}$ C to + 85 $^{\circ}$ C
<b>Dielectric strength:</b>	1.5 kV

### Order-No

Artikel-Nr	Article	Description
0123456789	NTC_999009	Cable lug NTC sensor Assembled Murata NXFT15XV103FEAB050 Resistance: 10 k $\Omega$ $\pm$ 1%; B-Constant: 3977K (25/85) Wire: PTFE-Litzen twisted. Wire length: 400 $\pm$ 25mm M3 cable lug, JST plug

# NXFT15XV103FEAB021

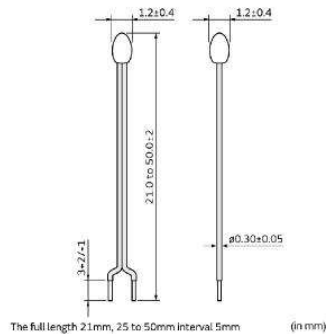
In Production

Recommended

RoHS

REACH

## Appearance & Shape



## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk (Bag)	1000

## 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. You can choose the optimum length according to the design layout.
4. This product is compatible with our 0402 (EIA) size chip Thermistor.
5. Excellent long-time aging stability (CI+Br=max.1500ppm).
6. Lead is not contained in the product.
7. NXF series are recognized by UL/cUL (UL1434, File No.E137188).

## Applications

Limited Usage	Consumer Grade
Other Usage	1. Temperature compensation for transistor, IC and crystal oscillator in mobile communications 2. Temperature sensor for rechargeable batteries 3. Temperature compensation of LCD 4. Temperature compensation in general use of electric circuits

### 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.

# NXFT15XV103FEAB021

## Specifications

Resistance (25°C)	10kΩ
Resistance Value Tolerance (at 25°C)	±1%
B-Constant (25/50°C)	3936K
B-Constant (25/50°C)	±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)	0.077mA
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
Size Code (in mm)	021=21 mm
Size Code (in inch)	021=21 mm
Shape	Lead
Mass	0.021g

### 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.

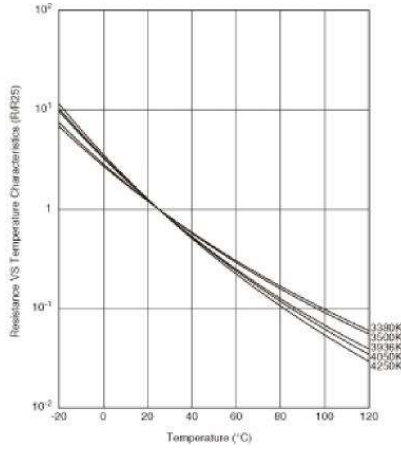


Note: This datasheet may be out of date.

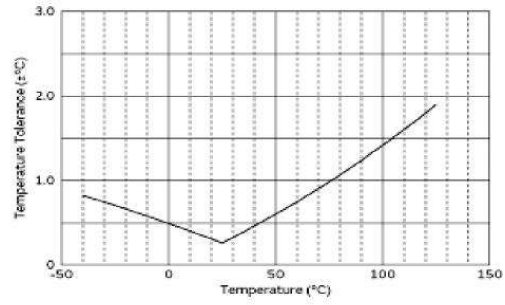
Please download the latest datasheet of NXFT15XV103FEAB021 from the official website of Murata Manufacturing Co., Ltd.

# NXFT15XV103FEAB021

## Product Data



Resistance-Temperature Characteristics



Temperature Tolerance VS. Temp.

### 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.

Headquarter Switzerland:  
Angst+Pfister Sensors and Power AG

Thurgauerstrasse 66  
CH-8050 Zurich  
Phone +41 44 877 35 00  
sensorsandpower@angst-pfister.com

Office Germany:  
Angst+Pfister Sensors and Power  
Deutschland GmbH  
Edisonstraße 16  
D-85716 Unterschleißheim  
Phone +49 89 374 288 87 0  
sensorsandpower.de@angst-pfister.com



## We are here for you. Addresses and Contacts.

### Sales Germany & Austria

Geometrical sensors  
Other products

Kurt Stritzelberger  
Phone +49 89 374 288 87 22  
kurt.stritzelberger@angst-pfister.com

Pressure sensors  
Other products

Gerhard Vetter  
Phone +49 89 374 288 87 26  
gerhard.vetter@angst-pfister.com

Gas sensors and modules

Peter Felder  
Phone +41 44 877 35 05  
peter.felder@angst-pfister.com

### Sales Switzerland & Liechtenstein

Postcode 3000 – 9999

Basil Frei  
Phone +41 44 877 35 18  
basil.frei@angst-pfister.com

Postcode 1000 – 2999

Christian Mohrenstecher  
Phone +41 76 444 57 93  
christian.mohrenstecher@angst-pfister.com

### Sales International Key Accounts

Peter Felder  
Phone +41 44 877 35 05  
peter.felder@angst-pfister.com

### Sales Other Countries / Product Management

Pressure Sensors  
Load Cells

Philipp Kistler  
Phone +41 44 877 35 03  
philipp.kistler@angst-pfister.com

Gas sensors  
Gas sensor modules

Dr. Thomas Clausen  
Phone +49 89 374 288 87 24  
thomas.clausen@angst-pfister.com

Flow / Level / Medical products

Dr. Adriano Pittarelli  
Phone +49 89 374 288 87 67  
adriano.pittarelli@angst-pfister.com

Power supplies

Sebastiano Leggio  
Phone +41 44 877 35 06  
sebastiano.leggio@angst-pfister.com

Linear position sensors  
Angle sensors

Eric Letsch  
Phone +41 44 877 35 14  
eric.letsch@angst-pfister.com

Accelerometers  
Sensor elements

Christoph Kleye  
Phone +49 89 374 288 87 61  
christoph.kleye@angst-pfister.com

Drive technology  
CH Postcode 5000 – 9999 / DE

Roman Homa  
Phone +41 76 444 00 86  
roman.homa@angst-pfister.com

Drive technology  
CH Postcode 1000 – 4999 / AT / IT / FR

Christian Mohrenstecher  
Phone +41 76 444 57 93  
christian.mohrenstecher@angst-pfister.com

Harald Thomas  
Phone +49 89 374 288 87 23  
harald.thomas@angst-pfister.com