



**THE DATASHEET OF  
NXFT15XH103FA1B030**



## ● Part Numbering

### NTC Thermistor for Temperature Sensor Thermo String Type

(Part Number)

|            |          |           |           |            |          |          |          |          |            |
|------------|----------|-----------|-----------|------------|----------|----------|----------|----------|------------|
| <b>NXF</b> | <b>T</b> | <b>15</b> | <b>XH</b> | <b>103</b> | <b>F</b> | <b>A</b> | <b>2</b> | <b>B</b> | <b>025</b> |
| ①          | ②        | ③         | ④         | ⑤          | ⑥        | ⑦        | ⑧        | ⑨        | ⑩          |

#### ① Product ID

| Product ID |   |
|------------|---|
| <b>NXF</b> | NTC Thermistors Sensor Thermo String Type |

#### ② Individual Specifications

| Code     | Individual Specifications |
|----------|---------------------------|
| <b>T</b> | Commercial Type           |
| <b>S</b> | Automotive Type           |

#### ③ Chip Dimensions

| Code      | Dimensions (L x T) | EIA  |
|-----------|--------------------|------|
| <b>15</b> | 1.00 x 0.50mm      | 0402 |

#### ④ Temperature Characteristics

| Code      | Temperature Characteristics   |
|-----------|-------------------------------|
| <b>XH</b> | Nominal B-Constant 3350–3399K |
| <b>XM</b> | Nominal B-Constant 3500–3549K |
| <b>XV</b> | Nominal B-Constant 3900–3949K |
| <b>WB</b> | Nominal B-Constant 4050–4099K |
| <b>WF</b> | Nominal B-Constant 4250–4299K |

#### ⑤ Resistance

Expressed by three figures. The unit is ( $\Omega$ ). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

Ex.

| Code       | Resistance    |
|------------|---------------|
| <b>103</b> | 10k $\Omega$  |
| <b>473</b> | 47k $\Omega$  |
| <b>104</b> | 100k $\Omega$ |

#### ⑥ Resistance Tolerance

| Code     | Resistance Tolerance |
|----------|----------------------|
| <b>F</b> | $\pm 1\%$            |
| <b>E</b> | $\pm 3\%$            |

#### ⑦ Lead Wire Type

| Code     | Lead Wire Type   |
|----------|--|
| <b>A</b> | $\phi 0.3$ mm Copper Lead Wire with Polyurethane Coat  |
| <b>E</b> | $\phi 0.3$ mm Nickel Copper Lead Wire with Enamel Coat |

#### ⑧ Shape of the Lead Wire Kink

| Code     | Shape of the Lead Wire Kink             |
|----------|---|
| <b>1</b> | Twisted Lead Wire Type                  |
| <b>2</b> | Standard Type (Cooper Wire Type)        |
| <b>A</b> | Standard Type (Nickel Copper Wire Type) |

#### ⑨ Packaging

| Code     | Packaging |
|----------|-----------|
| <b>B</b> | Bulk      |

#### ⑩ Dimensions (Full Length)

| Code       | Dimensions (Full Length) |
|------------|--------------------------|
| <b>021</b> | 21mm                     |
| <b>025</b> | 25mm                     |
| <b>030</b> | 30mm                     |
| <b>035</b> | 35mm                     |
| <b>040</b> | 40mm                     |
| <b>045</b> | 45mm                     |
| <b>050</b> | 50mm                     |
| <b>060</b> | 60mm                     |
| <b>070</b> | 70mm                     |
| <b>080</b> | 80mm                     |
| <b>090</b> | 90mm                     |
| <b>100</b> | 100mm                    |
| <b>110</b> | 110mm                    |
| <b>120</b> | 120mm                    |
| <b>130</b> | 130mm                    |
| <b>140</b> | 140mm                    |
| <b>150</b> | 150mm                    |

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