



**THE DATASHEET OF  
NXRT15XH103FA5B040**



## ● Part Numbering

### NTC Thermistor for Temperature Sensor/Lead Type

(Part Number)

|     |   |    |    |     |   |   |   |   |     |
|-----|---|----|----|-----|---|---|---|---|-----|
| NXR | T | 15 | XH | 103 | F | A | 1 | B | 040 |
| ①   | ② | ③  | ④  | ⑤   | ⑥ | ⑦ | ⑧ | ⑨ | ⑩   |

#### ① Product ID

| Product ID |                                 |
|------------|---------------------------------|
| NXR        | NTC Thermistor Sensor/Lead Type |

#### ② Individual Specifications

| Code | Individual Specifications |
|------|---------------------------|
| T    | Commercial Type           |
| S    | Automotive Type           |

#### ③ Chip Dimensions

| Code | Dimensions (L x T) |
|------|--------------------|
| 15   | 1.00 x 0.50mm      |

#### ④ Temperature Characteristics

| Code | Temperature Characteristics   |
|------|-------------------------------|
| XH   | Nominal B-Constant 3350–3399K |
| XM   | Nominal B-Constant 3500–3549K |
| XV   | Nominal B-Constant 3900–3949K |
| WB   | Nominal B-Constant 4050–4099K |
| WF   | 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    |
|------|---------------|
| 202  | 2.0k $\Omega$ |
| 103  | 10k $\Omega$  |
| 104  | 100k $\Omega$ |

#### ⑥ Resistance Tolerance

| Code | Resistance Tolerance |
|------|----------------------|
| F    | $\pm 1\%$            |
| E    | $\pm 3\%$            |
| J    | $\pm 5\%$            |

#### ⑦ Lead Wire Type

| Code | Lead Wire Type   |
|------|--|
| A    | Lead Type: $\varnothing 0.4$ mm Copper-clad Fe Wire, Tinned<br>Lead Insulation Type: $\varnothing 0.46$ mm Cu Wire with Coat |

#### ⑧ Shape of the Lead Wire

| Code | Shape of the Lead Wire               |
|------|--------------------------------------|
| 1    | Lead Spacing 2.5mm                   |
| 3    | Lead Spacing 5.0mm                   |
| 5    | Lead Spacing 2.5mm (Insulation Type) |

#### ⑨ Packaging

| Code | Packaging        |
|------|------------------|
| A    | Ammo Pack Taping |
| B    | Bulk             |

#### ⑩ Dimensions (Full Length)

| Code | Lead Type          | Lead Insulation Type |
|------|--------------------|----------------------|
| 010  | 10mm               | –                    |
| 020  | 20mm               | –                    |
| 025  | –                  | 25mm                 |
| 030  | 30mm               | 30mm                 |
| 035  | –                  | 35mm                 |
| 040  | 40mm               | 40mm                 |
| 045  | –                  | 45mm                 |
| 050  | 50mm               | 50mm                 |
| 016  | 16mm (Taping Type) | –                    |

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