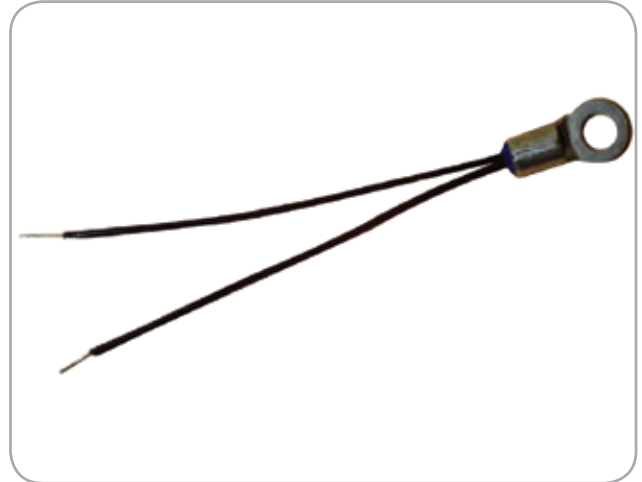


T H E R M O M E T R I C S
A COMMITMENT TO EXCELLENCE

NTC Type JR

Chip Thermistor In Eyelet Tag



Features

- Suitable for surface temperature measurement
- Sensing element electrically isolated from tag
- Two standard resistance values: 10 k Ω & 20 k Ω nominal at 77°F (25°C)
- Eyelets to fit M3, M4 & M5 screw sizes
- Range of wire lengths 1.97 in to 78.74 in (50 mm to 2000 mm) (dimension WL in diagram on page 2)
- Typical applications include semiconductor heatsinks, enclosure panels

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Type JR Specifications

Description

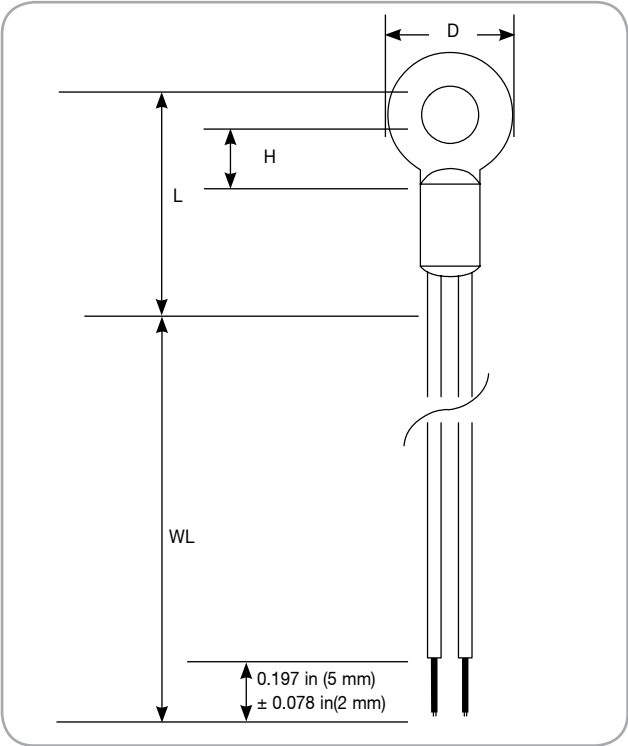
NTC chip thermistor with insulated flexible wires and housed in an eyelet tag.

Options

- Other resistance - temperature characteristics
- Other wire types

Data

- **R25:**
10 K Ω $\pm$ 5% (JR103R5MxLxxx) 20 K Ω $\pm$ 5% (JR203R5MxLxxx)
- **B 25/85:**
3977 K $\pm$ 0.75%
- **Temperature range:**
-22°F to 221°F (-30°C to 105°C)
- **Insulation resistance:**
500 VDC
- **Wire conductors:**
Tin-plated copper 7 x 0.1 mm diameter
- **Wire insulation:**
Irradiated PVC
- **Pack quantity and MOQ:**
200 pcs



NTC Type JR dimensions

Resistance-Temperature Data For JR Series

Temperature °C	R _t /R ₂₅ Nominal Ω	Resistance Tolerance ± %	Temperature Tolerance ± °C
-20	9.6807	6.80	1.17
-15	7.2809	6.58	1.17
-10	5.5253	6.35	1.17
-5	4.2292	6.14	1.17
0	3.2640	5.94	1.16
5	2.5391	5.74	1.16
10	1.9902	5.54	1.16
15	1.5713	5.36	1.15
20	1.2493	5.18	1.15
25	1.0000	5.00	1.14
30	0.8056	5.17	1.21
35	0.6530	5.34	1.29
40	0.5325	5.50	1.37
45	0.4367	5.65	1.45
50	0.3601	5.81	1.53
55	0.2985	5.96	1.61
60	0.2487	6.10	1.69
65	0.2082	6.24	1.78
70	0.1751	6.38	1.87
75	0.1480	6.52	1.96
80	0.1256	6.65	2.05
85	0.1070	6.77	2.15
90	0.09155	6.90	2.24
95	0.07864	7.02	2.34
100	0.06781	7.14	2.44
105	0.05868	7.26	2.54

Type JR Specifications

Ordering Information

The code number to be ordered may be specified as follows:

Code Type

JR Chip Thermistor In Eyelet Tag

Code R₂₅ and Tolerance

103R5 10 KΩ ± 5%

203R5 20 KΩ ± 5%

Code Wire Length WL in mm

M3

M4 see dimensions below

M5

Code Wire length WL in mm

L500 50 ± 5

L101 100 ± 10

L201 200 ± 20

L301 300 ± 20

L401 400 ± 20

L501 500 ± 20

L102 1000 ± 50

L152 1500 ± 50

L202 2000 ± 50

JR - ____ - ____ - ____ Typical model number

Eyelet size and wire length are specified by the product code: e.g. JR203R5M3L500

Eyelet Dimensions

Eyelet size	H (mm)	D (mm)	L (mm)
M3	3.2	6.4	12.3
M4	4.3	8.5	16.8
M5	5.3	8.5	16.8

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