

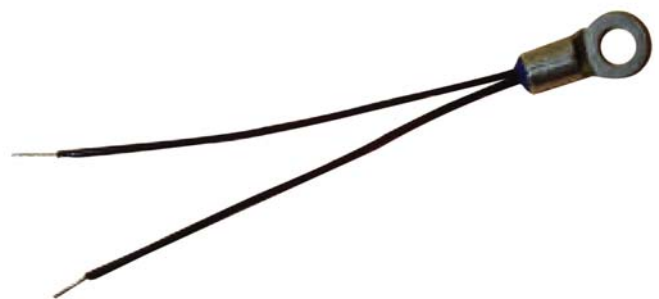
Features

- 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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NTC Type JR

Thermometrics Chip Thermistor In Eyelet Tag

NTC Type JR is a Thermometrics product. Thermometrics has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



Type JR Specifications

Description

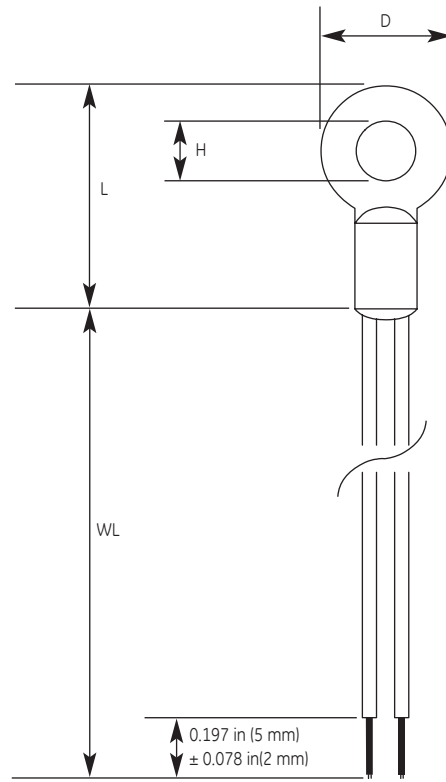
NTC chip thermistor with insulated flexible wires and housed in an eyelet tag.

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 JMF942R2L251

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

JM - ___ - ___ - ___ 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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