



NTC THERMISTORS: TYPE JM

RESIN-COATED THERMISTOR WITH PVC WIRES

DESCRIPTION:

Glass-encapsulated thermistor housed in a resin tip which is bonded to 'figure-of-8' PVC leadout wires.

FEATURES:

- Resistant to moisture ingress
- Withstands immersion in water at 80°C for >1200 hours whilst powered with 7.5V d.c. via 10kohm resistor without deterioration
- Available using any device in the Thermometrics standard DK range
- Range of wire lengths 250 to 5000mm (dimension WL in diagram right)
- Suitable for use in air conditioning evaporators to prevent inefficiency due to icing

OPTIONS:

- Other resistance - temperature characteristics
- Other wire types

CODING:

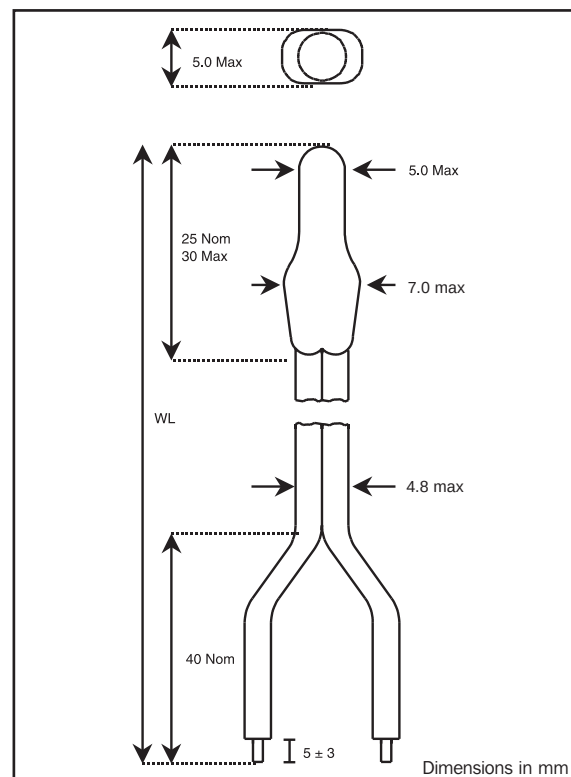
Resistance and wire length are specified by the product code:

e.g. **JMF103R2L251**

Example	Description	Standard values	
JM	Sensor style		
F103R2	code of DK Sensing element e.g. DKF103R2	See DK data sheet	
L251	Wire length WL mm	L251	250 ± 10
		L501	500 ± 10
		L751	750 ± 20
		L102	1000 ± 20
		L152	1500 ± 25
		L202	2000 ± 25
		L252	2500 ± 50
		L302	3000 ± 50
		L352	3500 ± 50
		L402	4000 ± 50
		L452	4500 ± 50
		L502	5000 ± 50



DIMENSIONS:



DATA:

Temperature range.....-5 to +105°C

Insulation resistance>100Ω @ 500V d.c.

Wire conductors.....7x0.3mm dia (0.5mm²)

Wire insulation.....Automotive Grade PVC

Resistance - temperature characteristics

.....Refer to DK data sheet

The following part is also available:

Product codeJMF942R2L251

R25.....9.4kΩ ± 2%

B 25/853960k ± 1%



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RESISTANCE - TEMPERATURE DATA FOR JMF942R2L251:

Temperature °C	Nominal resistance Ω	Resistance tolerance $\pm$ %	Temperature tolerance $\pm$ °C
-5	39452	3.47	0.66
0	30485	3.21	0.63
5	23745	2.95	0.60
10	18636	2.70	0.57
15	14733	2.46	0.53
20	11729	2.23	0.50
25	9400	2.00	0.46
30	7582	2.22	0.52
35	6153	2.43	0.59
40	5022	2.64	0.66
45	4123	2.84	0.73
50	3403	3.04	0.80
55	2823	3.23	0.88
60	2354	3.42	0.95
65	1972	3.61	1.03
70	1660	3.78	1.11
75	1403	3.96	1.19
80	1191	4.13	1.28
85	1016	4.30	1.36

See DK data sheet for characteristics of other types.

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