

NTC Thermistors, Long Insulated Leads



QUICK REFERENCE DATA

PARAMETER	VALUE
Resistance value at:	
0 °C	9000 Ω
25 °C	2769 Ω
Tolerance on R_{25} - value:	
0 °C	$\pm 2 \%$
25 °C	$\pm 3.82 \%$
$B_{25/85}$ - value	3977 K
Maximum dissipation	100 mW
Dissipation factor δ	1.35 mW/K
Minimum dielectric withstanding voltage (RMS) between leads and coating	500 V
Response time	1.25 s
Operating temperature range:	
at zero power	- 40 °C to + 125 °C
at maximum power	0 °C to + 55 °C
Climatic category	40/125/56
Mass	≈ 0.16 g

FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Insulated leads for prevention of short circuits
- Electrical features of 'accuracy line' sensors
- Small diameter
- Old part number was 2322 640 90059
- Compliant to RoHS directive 2002/95/EC and in accordance to WEEE 2002/96/EC


RoHS
COMPLIANT

APPLICATIONS

- Temperature measurement, sensing and control in automotive and industrial applications

DESCRIPTION

These negative temperature coefficient thermistors consist of a mini-chip soldered between two insulated nickel leads and coated with ochre-colored epoxy lacquer.

PACKAGING

The thermistors are packed in cardboard boxes; the smallest packing quantity is 1000 units.

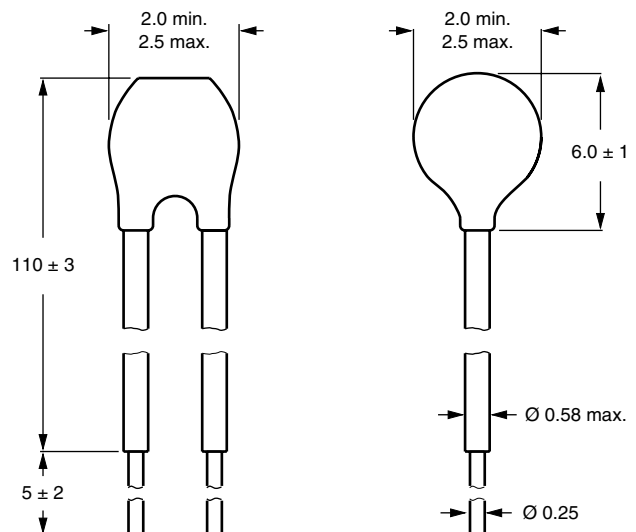
MARKING

The component is not marked.

MOUNTING

By soldering in any position.
Part can be potted in suitable resins.

DIMENSIONS in millimeters



**RESISTANCE VALUES AT INTERMEDIATE TEMPERATURES**

T_{OPER} (°C)	RESISTANCE (Ω)	TCR (%/K)	RESISTANCE TOLERANCE (%)
- 40	90 923	6.57	± 5.60
- 35	65 808	6.35	± 5.09
- 30	48 141	6.15	± 4.60
- 25	35 578	5.95	± 4.13
- 20	26 550	5.76	± 3.67
- 15	19 998	5.58	± 3.23
- 10	15 197	5.40	± 2.81
- 5	11 648	5.24	± 2.40
0	9000	5.08	± 2.00
5	7008.6	4.92	± 2.38
10	5498.8	4.78	± 2.76
15	4345.1	4.64	± 3.12
20	3457.2	4.50	± 3.47
25	2769.0	4.37	± 3.82
30	2231.7	4.25	± 4.16
35	1809.6	4.13	± 4.48
40	1476.0	4.02	± 4.80
45	1210.6	3.91	± 5.12
50	998.37	3.80	± 5.42
55	827.59	3.70	± 5.72
60	689.46	3.60	± 6.01
65	577.15	3.51	± 6.29
70	485.38	3.42	± 6.57
75	410.02	3.33	± 6.84
80	347.86	3.25	± 7.10
85	296.35	3.16	± 7.36
90	253.47	3.09	± 7.61
95	217.64	3.01	± 7.86
100	187.57	2.94	± 8.10
105	162.24	2.87	± 8.33
110	140.81	2.80	± 8.56
115	122.63	2.73	± 8.79
120	107.14	2.67	± 9.01
125	93.90	2.61	± 9.22



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