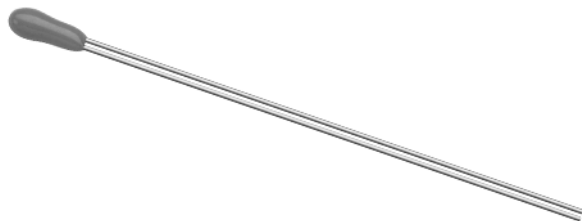


NTC Thermistors, Long Non-Insulated Leads



QUICK REFERENCE DATA	
PARAMETER	VALUE
Resistance value at 25 °C	10 k Ω
Tolerance on R_{25} - value	$\pm 5\%$
$B_{25/100}$ - value	3993 K
Tolerance on $B_{25/100}$ - value	$\pm 1.2\%$
Rated dissipation	100 mW
Response time	0.45 s
Dissipation factor τ	1.4 mW/K
Operating temperature range:	
at zero dissipation	- 40 °C to + 125 °C
at maximum dissipation	0 °C to + 55 °C
Weight	≈ 0.16 g

FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Fast response time of less than 0.5 s
- Small diameter
- Old part number was 2322 645 90028
- Compliant to RoHS directive 2002/95/EC and in accordance to WEEE 2002/96/EC



RoHS
COMPLIANT

APPLICATIONS

- Temperature measurement, sensing and control

DESCRIPTION

These negative temperature coefficient thermistors consist of a mini-chip soldered between two tinned solid nickel leads. The body of the device is coated with an ochre colored epoxy lacquer.

PACKAGING

The thermistors are packed in cardboard boxes; each box containing 1000 units (10 plastic bags, each containing 100 units).

MARKING

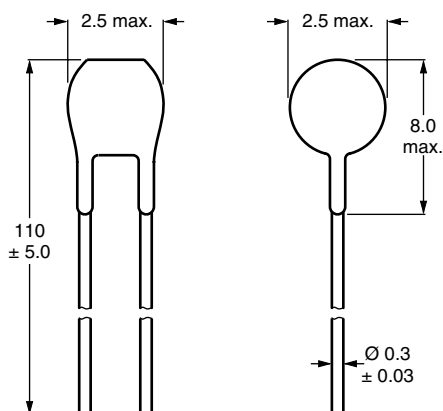
The thermistor body has no marking.

MOUNTING

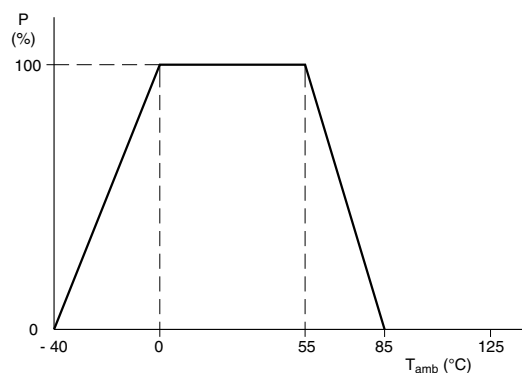
By soldering in any position.

Not suitable for potted application.

DIMENSIONS in millimeters



DERATING



Power derating curve



RESISTANCE VALUES AT INTERMEDIATE TEMPERATURES			
Toper (°C)	RESISTANCE (kΩ)	TCR (%/K)	RESISTANCE TOLERANCE (%)
- 40	328.4	6.57	± 9.5
- 35	237.7	-	-
- 30	173.9	6.15	± 8.7
- 25	128.5	-	-
- 20	95.89	5.76	± 7.9
- 15	72.23	-	-
- 10	54.89	5.40	± 7.2
- 5	42.07	-	-
0	32.51	5.08	± 6.5
5	25.31	-	-
10	19.86	4.78	± 5.9
15	15.69	-	-
20	12.49	4.50	± 5.3
25	10.00	4.37	± 5.0
30	8.060	4.25	± 5.3
35	6.536	-	-
40	5.331	4.02	± 5.8
45	4.372	-	-
50	3.606	3.80	± 6.3
55	2.989	-	-
60	2.490	3.60	± 6.8
65	2.085	-	-
70	1.753	3.42	± 7.2
75	1.481	-	-
80	1.256	3.25	± 7.6
85	1.070	-	-
90	0.9155	3.09	± 8.0
95	0.7861	-	-
100	0.6775	2.94	± 8.4
105	0.5860	-	-
110	0.5086	2.80	± 8.8
115	0.4429	-	-
120	0.3870	2.67	± 9.2
125	0.3392	-	-



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