NTC Thermistors, Long Non-Insulated Leads



FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Small diameter

APPLICATIONS

- Temperature sensing and control

These thermistors have a negative temperature coefficient. The device consists of a chip with two tinned nickel leads.

QUICK REFERENCE DATA	
PARAMETER	**VALUE**
Resistance value at 25 °C	10 kΩ
Tolerance on R_{25}-value	±5%
$B_{25/100}$-value	3993 K
Tolerance on $B_{25/100}$-value	±1.2%
Rated dissipation	100 mW
Dissipation factor τ	1.4 mW/K
Operating temperature range:	
at zero dissipation	−40 to +125 °C
at maximum dissipation	0 to +55 °C
Mass	≈0.16 g

PACKAGING

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

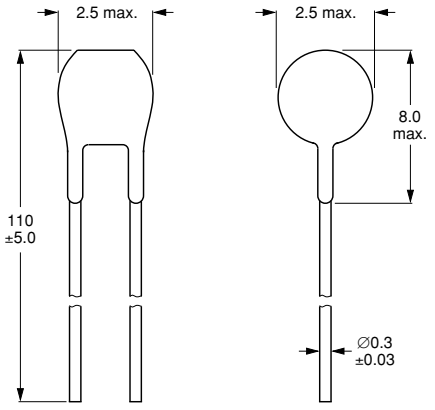
MARKING

The body of the device is coated with a yellow coloured EPQ lacquer.

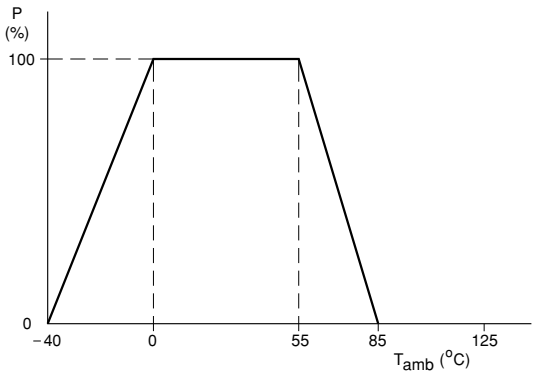
MOUNTING

By soldering in any position

DIMENSIONS in millimeters



DERATING



Power derating curve.

RESISTANCE VALUES AT INTERMEDIATE TEMPERATURES

T_{oper} (°C)	RESISTANCE (Ω)	TC (%/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	-	-