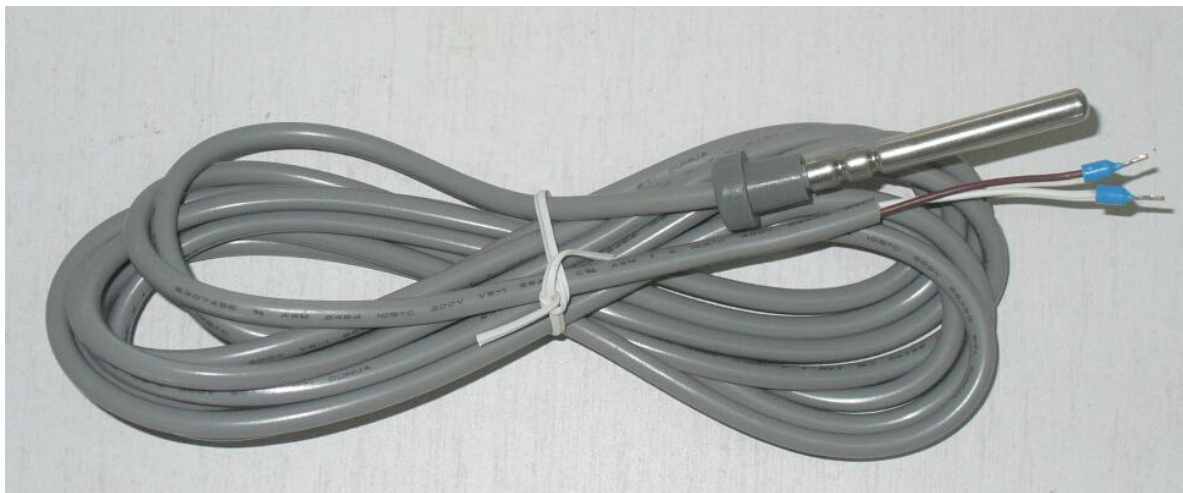
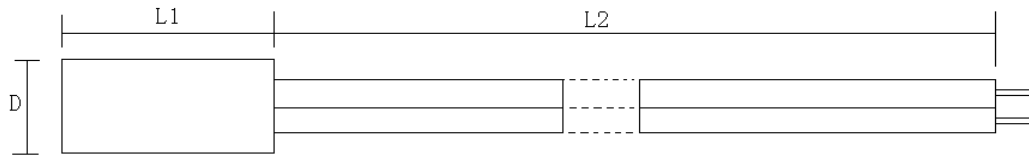


Product: NTC Temperature Sensor

Specification book

1、 Shape and Dimension:



D	L1	L2
6mm	50mm	3000mm

2、 Product Characteristics:

Item	Sign.	Char.	Unit	Tol.
B-value	$B_{25/50}$	3950	K	1%
Resistance	R_{25}	10	K Ω	1%
Thermal time constant (in air)	τ	≤ 40	Sec	—
Operating temp.	T_w	-40 ~ +105	$^{\circ}\text{C}$	—
Dissipation constant (in air)	δ	≥ 4.2	mW/ $^{\circ}\text{C}$	—

3、 Reliability Characteristics:

Item	Testing requirement		Characteristics after test
High temp. test	150 $^{\circ}\text{C}$ in air	Placed for 1000 hours	B 、 $\Delta R_{25}/R_{25} \leq 3\%$
Low temp. test	-40 $^{\circ}\text{C}$ in air	Placed for 1000 hours	B 、 $\Delta R_{25}/R_{25} \leq 3\%$
High temp. humidity test	60 $^{\circ}\text{C}$ -93%R. H.	Placed for 1000 hours	B 、 $\Delta R_{25}/R_{25} \leq 3\%$
Temp. cycle	-40 $^{\circ}\text{C}$ 5min(in air) \leftrightarrow 150 $^{\circ}\text{C}$ 5min(in air)	100cycles	B 、 $\Delta R_{25}/R_{25} \leq 3\%$

4、RT table:

Temp (°C)	Rnor (KΩ)
-40	339.10
-35	243.79
-30	177.31
-25	130.39
-20	96.891
-15	72.720
-10	55.099
-5	42.126
0	32.485
5	25.303
10	19.856
15	15.692
20	12.486
25	10.000
30	8.0592
35	6.5342
40	5.3283
45	4.3691
50	3.5882
55	2.9697
60	2.4715
65	2.0678
70	1.7389
75	1.4695
80	1.2476
85	1.0640
90	0.9096
95	0.7813
100	0.6740
105	0.5839