

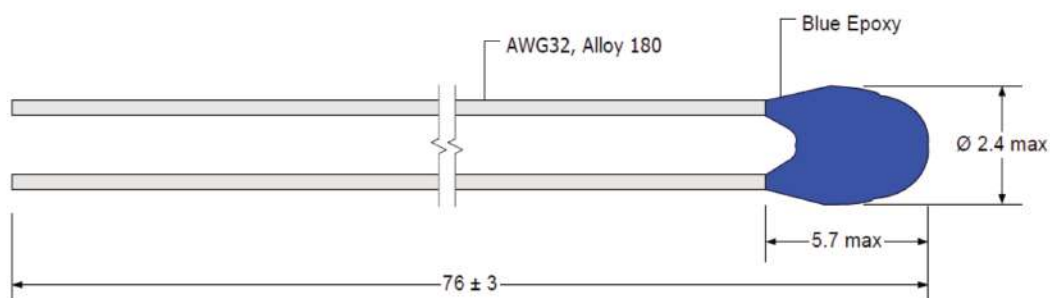


- **High Sensitivity**
- **Epoxy encapsulated**
- **Temperature range -40 bis 150°C**
- **RoHS compliant**

The ENTC-EB-50k4262-02 is specifically designed for sensing small changes in temperature for mid-range temperature applications. Due to its high sensitivity and high resistance (50kOhm @25°C) it is ideal for tight tolerance instrumentation in non-condensing moisture environments.

Specifications	
Element:	NTC Thermistor
Wire material	76mm bare leads, 32 AWG, solid Alloy 180
Resistance at +25°C	50000Ω
Resistance Tolerance from 0°C to 70°C	±0.2°C
Beta Value 25/85 constant	4262k ± 0.5%
Dissipation factor (in air)	~ 2mW/°C
Thermal time constant (in air)	~ 15 sek
Operating temperature range	- 40 bis 150°C

Dimensions



Order informationen

Order code: ENTC-EB-50k4262-02



Resistance vs. Temperature table for 50K4262-02

R(25) = 50000 Ohm B(25/85) = 4262K ± 0.5%

TEMP (°C)	RESIS (KΩ)
-30	1033.500
-29	968.731
-28	908.416
-27	852.223
-26	799.845
-25	751.000
-24	705.459
-23	662.949
-22	623.251
-21	586.164
-20	551.500
-19	519.044
-18	488.688
-17	460.284
-16	433.695
-15	408.700
-14	385.345
-13	363.460
-12	342.943
-11	323.702
-10	305.650
-9	288.688
-8	272.764
-7	257.808
-6	243.758
-5	230.550
-4	218.123
-3	206.436
-2	195.440
-1	185.092
0	175.350
1	166.173
2	157.527
3	149.378
4	141.696
5	134.450
6	127.602
7	121.142
8	115.044
9	109.287
10	103.850
11	98.723
12	93.875
13	89.291
14	84.954

TEMP (°C)	RESIS (KΩ)
15	80.850
16	76.954
17	73.269
18	69.780
19	66.478
20	63.350
21	60.389
22	57.582
23	54.921
24	52.396
25	50.000
26	47.726
27	45.566
28	43.515
29	41.567
30	39.715
31	37.956
32	36.285
33	34.695
34	33.183
35	31.745
36	30.381
37	29.075
38	27.838
39	26.651
40	25.530
41	24.458
42	23.437
43	22.464
44	21.535
45	20.650
46	19.805
47	19.000
48	18.230
49	17.496
50	16.795
51	16.126
52	15.487
53	14.876
54	14.293
55	13.735
56	13.203
57	12.694
58	12.207
59	11.741

TEMP (°C)	RESIS (KΩ)
60	11.295
61	10.867
62	10.458
63	10.066
64	9.690
65	9.330
66	8.986
67	8.656
68	8.339
69	8.036
70	7.745
71	7.467
72	7.201
73	6.946
74	6.700
75	6.465
76	6.238
77	6.019
78	5.810
79	5.608
80	5.415
81	5.230
82	5.052
83	4.880
84	4.716
85	4.558
86	4.405
87	4.259
88	4.118
89	3.982
90	3.852
91	3.726
92	3.606
93	3.489
94	3.377
95	3.269
96	3.165
97	3.065
98	2.968
99	2.875
100	2.785
101	2.699
102	2.615
103	2.535
104	2.457

TEMP (°C)	RESIS (KΩ)
105	2.382
106	2.310
107	2.240
108	2.172
109	2.107
110	2.045
111	1.984
112	1.925
113	1.869
114	1.814
115	1.761
116	1.710
117	1.661
118	1.613
119	1.567
120	1.523
121	1.479
122	1.438
123	1.397
124	1.358
125	1.321
126	1.284
127	1.249
128	1.214
129	1.181
130	1.149
131	1.118
132	1.088
133	1.059
134	1.030
135	1.003
136	0.976
137	0.951
138	0.926
139	0.901
140	0.878
141	0.855
142	0.833
143	0.812
144	0.791
145	0.771
146	0.752
147	0.733
148	0.714
149	0.696
150	0.679