

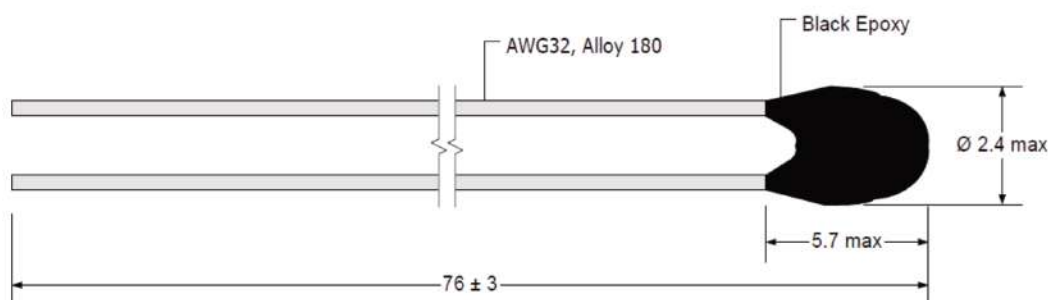


- **High sensitivity**
- **Epoxy encapsulated**
- **Temperature range -40 to 150°C**
- **RoHS compliant**

The ENTC-EB-1k3347-02 is specifically designed for sensing small changes in temperature for mid-range temperature applications. Due to its high sensitivity and high resistance (1kOhm @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
Performance characteristics	
Resistance at +25°C	1000Ω
Resistance tolerance from 0 to 70°C	±0.2°C
Beta value 25/85 constant	3347k ± 0.5%
Dissipations factor (in air)	~ 2mW/°C
Thermal time constant (in air)	~ 10 sek
Operating temperature range	- 40 to 150°C

Dimensions



Ordering information

Order code: ENTC-EB-1k3347-02

Resistance versus temperature table for 1K3347-02

R(25) = 1000 Ohms

B(25/85) = 3347K ± 0.5%

Temp. °C	KΩ	Temp. °C	KΩ	Temp. °C	KΩ	Temp. °C	KΩ	Temp. °C	KΩ
-40	18.5500	1	2.5790	42	0.5500	83	0.1600	124	0.0351
-39	17.5600	2	2.4720	43	0.5320	84	0.1560	125	0.0342
-38	16.6400	3	2.3700	44	0.5150	85	0.1520	126	0.0333
-37	15.7700	4	2.2730	45	0.4980	86	0.1480	127	0.0325
-36	14.9400	5	2.1810	46	0.4820	87	0.1440	128	0.0317
-35	17.1700	6	2.0930	47	0.4670	88	0.1400	129	0.0309
-34	13.4400	7	2.0090	48	0.4520	89	0.1370	130	0.0301
-33	12.7600	8	1.9280	49	0.4370	90	0.1330	131	0.0294
-32	12.1100	9	1.8520	50	0.4230	91	0.1300	132	0.0286
-31	11.5000	10	1.7790	51	0.4100	92	0.1260	133	0.0279
-30	10.9200	11	1.7090	52	0.3970	93	0.1230	134	0.0272
-29	10.3800	12	1.6420	53	0.3850	94	0.1200	135	0.0266
-28	9.8660	13	1.5780	54	0.3730	95	0.1170	136	0.0259
-27	9.3810	14	1.5180	55	0.3620	96	0.1140	137	0.0253
-26	8.9220	15	1.4590	56	0.3510	97	0.1110	138	0.0247
-25	8.4890	16	1.4040	57	0.3400	98	0.1080	139	0.0241
-24	8.0790	17	1.3510	58	0.3300	99	0.1060	140	0.0235
-23	7.6920	18	1.3000	59	0.3200	100	0.1030	141	0.0230
-22	7.3250	19	1.2510	60	0.3100	101	0.0810	142	0.0224
-21	6.9780	20	1.2040	61	0.3010	102	0.0640	143	0.0219
-20	6.6490	21	1.1600	62	0.2920	103	0.0570	144	0.0214
-19	6.3380	22	1.1170	63	0.2830	104	0.0510	145	0.0209
-18	6.0430	23	1.0760	64	0.2750	105	0.0410	146	0.0204
-17	5.7640	24	1.0370	65	0.2670	106	0.0340	147	0.0199
-16	5.4990	25	1.0000	66	0.2590	107	0.0556	148	0.0195
-15	5.2480	26	0.9630	67	0.2520	108	0.0540	149	0.0190
-14	5.0090	27	0.9280	68	0.2440	109	0.0525	150	0.0186
-13	4.7830	28	0.8950	69	0.2370	110	0.0511		
-12	4.5690	29	0.8640	70	0.2310	111	0.0483		
-11	4.3650	30	0.830	71	0.2240	112	0.0483		
-10	4.1720	31	0.8040	72	0.2120	113	0.0470		
-9	3.9880	32	0.7760	73	0.2120	114	0.0457		
-8	3.8130	33	0.7490	74	0.2060	115	0.0445		
-7	3.6470	34	0.7230	75	0.2000	116	0.0433		
-6	3.4890	35	0.6990	76	0.1940	117	0.0422		
-5	3.3390	36	0.6750	77	0.1890	118	0.0411		
-4	3.1690	37	0.6520	78	0.1840	119	0.0400		
-3	3.0610	38	0.6300	79	0.1740	120	0.0390		
-2	2.9310	39	0.6090	80	0.1740	121	0.0379		
-1	2.8080	40	0.5890	81	0.1690	122	0.0370		
0	2.6910	41	0.5690	82	0.1650	123	0.0360		