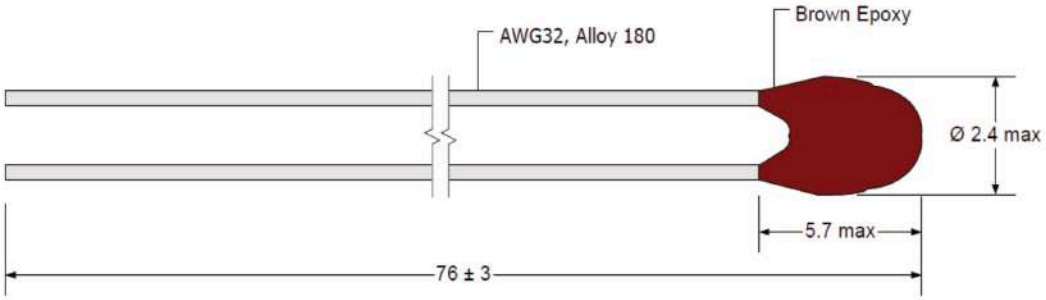
NTC THERMISTOR
ENTC-EB2.2k3977-02

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

The ENTC-EB-2.2k33977-02 is specifically designed for sensing small changes in temperature for mid-range temperature applications. Due to its high sensitivity and high resistance (2.2kOhm @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	2252Ω
Resistance tolerance from 0 to 70°C	±0.2°C
Beta value 25/85 constant	3977k ± 0.5%
Dissipations factor (in air)	~ 2mW/°C
Thermal time constant (in air)	~ 15 sek
Operating temperature range	- 40 to 150°C

Dimensions



Ordering information

Order code: ENTC-EB-2.2k3977-02

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PITCH TECHNOLOGIES

Resistance versus temperature table for 2.2K3977-02

R(25) = 2252 Ohms B(25/85) = 3977K ± 0.5%

Temp. °C	KΩ	Temp. °C	KΩ	Temp. °C	KΩ	Temp. °C	KΩ	Temp. °C	KΩ
-40	75.775	1	6.988	42	1.107	83	0.257	124	0.079
-39	70.916	2	6.643	43	1.064	84	0.249	125	0.077
-38	66.400	3	6.317	44	1.023	85	0.241	126	0.075
-37	62.199	4	6.009	45	0.964	86	0.234	127	0.073
-36	58.290	5	5.718	46	0.946	87	0.226	128	0.071
-35	54.652	6	5.443	47	0.910	88	0.219	129	0.070
-34	51.263	7	5.183	48	0.876	89	0.213	130	0.068
-33	48.105	8	4.936	49	0.843	90	0.206	131	0.066
-32	45.161	9	4.703	50	0.811	91	0.200	132	0.064
-31	42.416	10	4.482	51	0.781	92	0.194	133	0.063
-30	39.855	11	4.272	52	0.752	93	0.188	134	0.061
-29	37.463	12	4.074	53	0.725	94	0.183	135	0.060
-28	35.231	13	3.886	54	0.698	95	0.177	136	0.058
-27	33.144	14	3.707	55	0.672	96	0.172	137	0.057
-26	31.194	15	3.538	56	0.648	97	0.167	138	0.056
-25	29.371	16	3.378	57	0.625	98	0.162	139	0.054
-24	27..665	17	3.226	58	0.602	99	0.157	140	0.053
-23	26.069	18	3.081	59	0.581	100	0.153	141	0.062
-22	24.574	19	2.944	60	0.560	101	0.148	142	0.051
-21	23.174	20	2.813	61	0.541	102	0.144	143	0.049
-20	21.863	21	2.689	62	0.522	103	0.140	144	0.048
-19	20.633	22	2.572	63	0.503	104	0.136	145	0.047
-18	19.480	23	2.460	64	0.486	105	0.132	146	0.046
-17	18.398	24	2.353	65	0.469	106	0.129	147	0.045
-16	17.383	25	2.252	66	0.453	107	0.125	148	0.044
-15	16.430	26	2.156	67	0.437	108	0.122	149	0.043
-14	15.535	27	2.064	68	0.423	109	0.118	150	0.042
-13	14.693	28	1.977	69	0.408	110	0.115		
-12	13.903	29	1.893	70	0.395	111	0.112		
-11	13.159	30	1.814	71	0.381	112	0.109		
-10	12.460	31	1.739	72	0.369	113	0.106		
-9	11.802	32	1.667	73	0.356	114	0.103		
-8	11.183	33	1.598	74	0.345	115	0.100		
-7	10.599	34	1.533	75	0.333	116	0.098		
-6	10.050	35	1.471	76	0.323	117	0.095		
-5	9.532	36	1.411	77	0.312	118	0.093		
-4	9.044	37	1.355	78	0.302	119	0.090		
-3	8.583	38	1.301	79	0.292	120	0.088		
-2	8.149	39	1.249	80	0.283	121	0.085		
-1	7.740	40	1.199	81	0.274	122	0.083		
0	7.353	41	1.152	82	0.265	123	0.081		