

SPECIFICATION FOR APPROVAL

CUSTOMER _____

PART NO. 103H-CT-42-3950GB _____

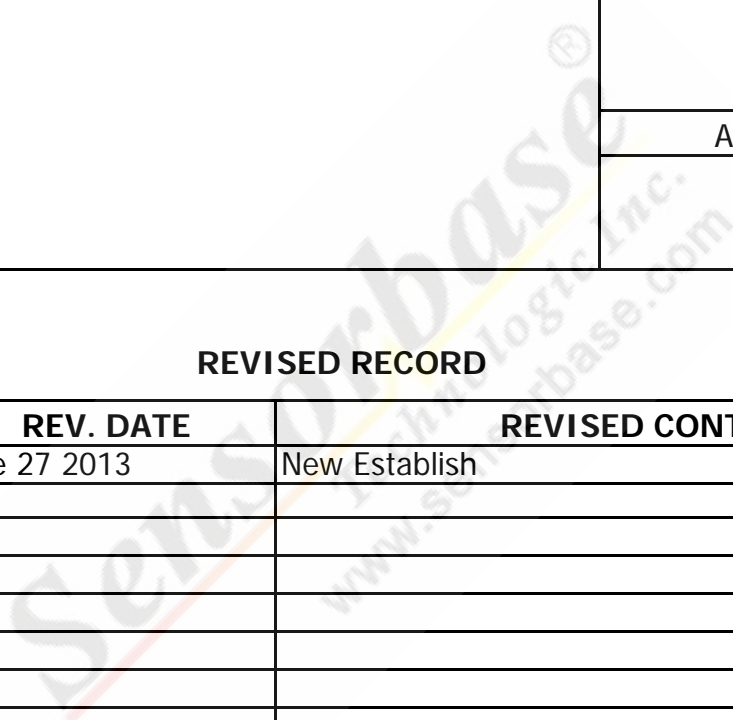
APPLICATION _____

CUSTOMER P/N _____

ISSUE DATE June 27 2013 _____

REV. NO 1.0 _____

REV. DATE _____

FOR CUSTOMER APPROVAL	CHECKED BY
	
	APPROVED BY

REVISED RECORD

REV. No.	REV. DATE	REVISED CONTENT
1.0	June 27 2013	New Establish

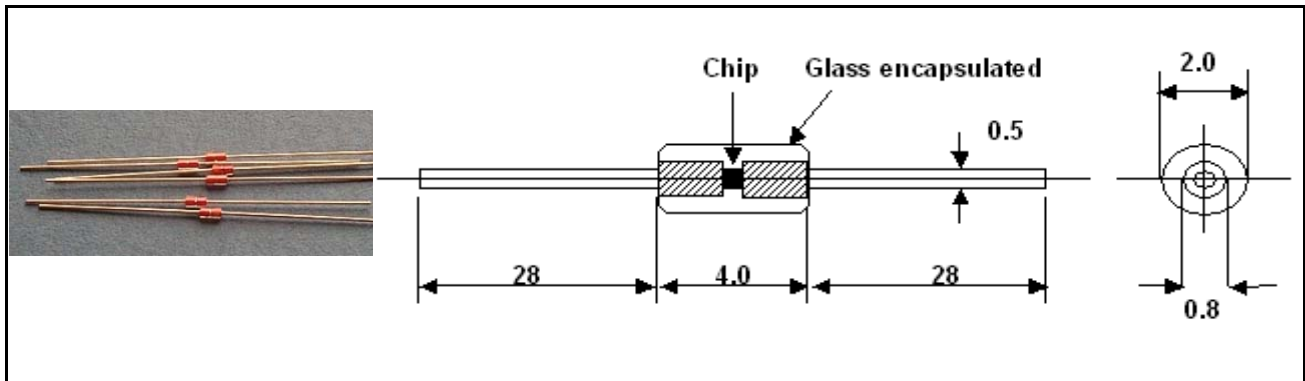


Technical Data

103H-CT-42-3950GB NTC Thermistor Specifications

1 Part Number 103H-CT-42-3950GB

2 Dimensions



3 Rating

- a) Rated zero-power resistance. $R_{25} = 10K\Omega \pm 3\%$ (at $25^{\circ}C$)
- b) B constant $B (25^{\circ}C / 50^{\circ}C) = 3950K \pm 2\%$
 $B (25^{\circ}C / 85^{\circ}C) = 4000K \pm 2\%$

The B constant is calculated using the zero-power resistance values measured at $25^{\circ}C / 50^{\circ}C$

- c) Thermal dissipation constant (δ) : 2.5 mW / $^{\circ}C$ Min. (in still air)
- d) Thermal time constant : Approx. 6 - 8 Sec. (in still air)
- e) Operating temperature : $-30^{\circ}C$ to $+200^{\circ}C$
- f) Power consumption : 15 mW (max.)

4 Climatic Test

- a) Dry heat
Test samples shall be exposed in air at $300^{\circ}C$ for 1,000 hours.
After being stored in room temperature and humidity for one hour, the change ratio of R_{25} (Zero-power resistance at $25^{\circ}C$) shall be within $\pm 3\%$ of the initial value.
- b) Damp Heat
Test samples shall be exposed in relative humidity of 95% RH at $70^{\circ}C$ for 1,000 hours.
After being stored in room temperature and humidity for one hour, the change ratio of R_{25} shall be within $\pm 3\%$ of the initial value.
- c) Cold
Test samples shall be exposed in air at $-50^{\circ}C$ for 1,000 hours.
After being stored in room temperature and humidity for one hour, the change ratio of R_{25} shall be within $\pm 3\%$ of the initial value.
- d) Humidity load
DC 0.1mA current shall be applied to the test samples in the temperature of $70^{\circ}C$ and relative humidity of 95% RH for 1,000 hours.
After being stored in room temperature and humidity for one hour, the change ratio of R_{25} shall be within $\pm 3\%$ of the initial value.
- e) Rapid change of temperature
One cycle of the change of temperature shall be proceeded in the order of the following conditions.
Room ambient temperature. (Initial value)
At $-30^{\circ}C$, for 5 minutes.
At $+200^{\circ}C$, for 5 minutes.
Room ambient temperature, for 3 minutes.
5 cycles of change of temperature shall be applied to the test samples.
After being stored in room temperature and humidity for one hour, the change ratio of R_{25} shall be within $\pm 3\%$ of the initial value.

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5 Insulation

Insulation resistance

Insulation resistance shall be more than $100M\Omega$, which is measured at DC 500V between part of glass head and lead wires.

6 Mechanical Characteristics

a) Robustness of terminations

Tensile : After 1N loading weight is applied to the wire terminations for 10 seconds, there shall be no visible damage.

b) Bending : The terminal shall gradually be bent by 90° in one direction, then by 90° in the opposite direction, and back to the original position with 0.5N loading weight.

After this test method, there shall be no visible damage.

c) Free fall : After three times natural fall to a maple board from 1 m high, there shall be no visible damage.

7 Soldering

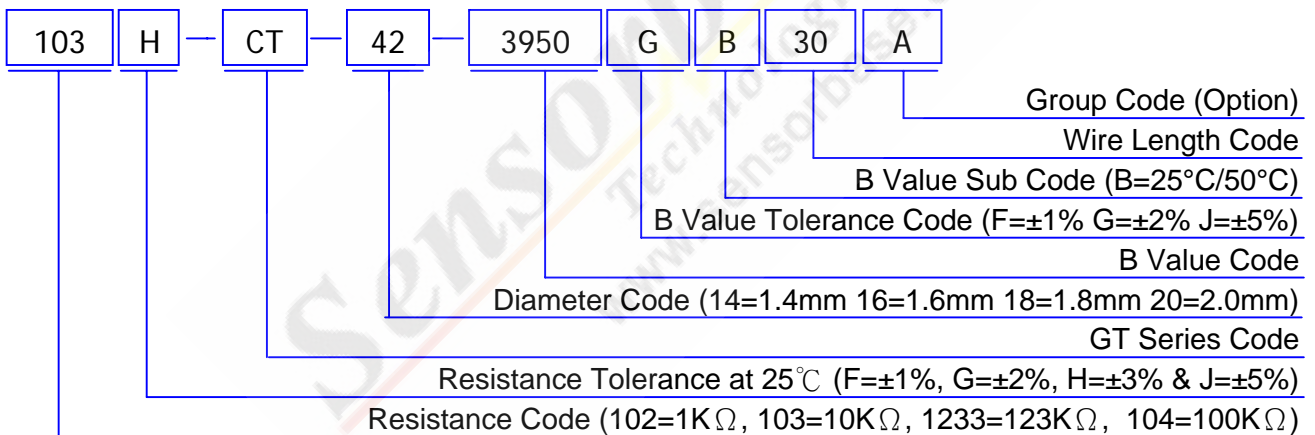
a) Solderability

Terminals shall be immersed into solder bath up to 2.5mm from the body at $250^\circ C \pm 5^\circ C$ for 5 ± 0.5 seconds. More than 90% of its terminals shall be covered with solder.

b) Resistance to soldering heat

After lead wires are immersed into solder bath up to 2.5mm from the body at $350^\circ C \pm 5^\circ C$ for 3.5 ± 0.5 seconds, the change ratio of R25 shall be within $\pm 3\%$ of the initial value.

8 Part Numbering System :



* All coding please see Coding page

R25 = 10K Ω $\pm 3\%$

B (25 $^\circ$ C / 50 $^\circ$ C) = 3950K $\pm 2\%$

B (25 $^\circ$ C / 85 $^\circ$ C) = 4000K $\pm 2\%$

Technical Data
103H-CT-42-3950GB NTC Thermistor Specifications

9 R / T table

Temperature °C	Resistance (KΩ)			Tolerance (R)		Tolerance (°C)	
	Minimum	Center	Maximum	ΔR (%)	-ΔR (%)	ΔT	-ΔT
-30	164.135	179.267	195.617	9.12	-8.44	1.51	-1.39
-29	154.383	168.405	183.536	8.98	-8.33	1.49	-1.38
-28	145.274	158.273	172.278	8.85	-8.21	1.48	-1.37
-27	136.762	148.815	161.785	8.72	-8.10	1.47	-1.36
-26	128.803	139.984	151.997	8.58	-7.99	1.46	-1.36
-25	121.359	131.733	142.865	8.45	-7.87	1.44	-1.35
-24	114.393	124.022	134.340	8.32	-7.76	1.43	-1.34
-23	107.871	116.811	126.377	8.19	-7.65	1.42	-1.33
-22	101.762	110.065	118.937	8.06	-7.54	1.41	-1.32
-21	96.038	103.751	111.983	7.93	-7.43	1.39	-1.30
-20	90.673	97.840	105.478	7.81	-7.33	1.38	-1.29
-19	85.640	92.302	99.392	7.68	-7.22	1.37	-1.28
-18	80.919	87.112	93.696	7.56	-7.11	1.35	-1.27
-17	76.487	82.247	88.361	7.43	-7.00	1.34	-1.26
-16	72.326	77.684	83.363	7.31	-6.90	1.33	-1.25
-15	68.417	73.402	78.679	7.19	-6.79	1.31	-1.24
-14	64.743	69.382	74.287	7.07	-6.69	1.30	-1.23
-13	61.290	65.608	70.167	6.95	-6.58	1.29	-1.22
-12	58.041	62.062	66.300	6.83	-6.48	1.27	-1.21
-11	54.985	58.729	62.671	6.71	-6.37	1.26	-1.19
-10	52.109	55.595	59.262	6.60	-6.27	1.24	-1.18
-9	49.400	52.648	56.059	6.48	-6.17	1.23	-1.17
-8	46.848	49.875	53.049	6.36	-6.07	1.22	-1.16
-7	44.444	47.264	50.218	6.25	-5.97	1.20	-1.15
-6	42.178	44.806	47.556	6.14	-5.87	1.19	-1.14
-5	40.040	42.491	45.050	6.02	-5.77	1.17	-1.12
-4	38.024	40.309	42.692	5.91	-5.67	1.16	-1.11
-3	36.122	38.252	40.471	5.80	-5.57	1.14	-1.10
-2	34.326	36.312	38.378	5.69	-5.47	1.13	-1.09
-1	32.629	34.482	36.406	5.58	-5.37	1.11	-1.07
0	31.027	32.755	34.547	5.47	-5.27	1.10	-1.06
1	29.513	31.124	32.794	5.37	-5.18	1.08	-1.05
2	28.081	29.585	31.141	5.26	-5.08	1.07	-1.03
3	26.728	28.130	29.580	5.15	-4.99	1.05	-1.02
4	25.447	26.756	28.106	5.05	-4.89	1.04	-1.01
5	24.235	25.456	26.714	4.94	-4.80	1.02	-0.99
6	23.088	24.227	25.400	4.84	-4.70	1.01	-0.98
7	22.002	23.065	24.157	4.74	-4.61	0.99	-0.97
8	20.973	21.965	22.983	4.63	-4.51	0.98	-0.95
9	19.999	20.924	21.872	4.53	-4.42	0.96	-0.94
10	19.075	19.938	20.822	4.43	-4.33	0.95	-0.92
11	18.199	19.004	19.827	4.33	-4.24	0.93	-0.91
12	17.368	18.119	18.886	4.23	-4.15	0.91	-0.90
13	16.580	17.281	17.995	4.13	-4.06	0.90	-0.88
14	15.832	16.486	17.151	4.03	-3.96	0.88	-0.87
15	15.122	15.732	16.351	3.94	-3.88	0.87	-0.85
16	14.448	15.016	15.593	3.84	-3.79	0.85	-0.84
17	13.808	14.338	14.875	3.74	-3.70	0.83	-0.82
18	13.199	13.693	14.193	3.65	-3.61	0.82	-0.81
19	12.621	13.082	13.547	3.55	-3.52	0.80	-0.79
20	12.071	12.501	12.933	3.46	-3.43	0.78	-0.78

R25 = 10KΩ ±3%

B (25°C / 50°C) = 3950K ± 2%

B (25°C / 85°C) = 4000K ± 2%

Technical Data

103H-CT-42-3950GB NTC Thermistor Specifications

Temperature °C	Resistance (K Ω)			Tolerance (R)		Tolerance (°C)	
	Minimum	Center	Maximum	ΔR (%)	$-\Delta R$ (%)	ΔT	$-\Delta T$
20	12.071	12.501	12.933	3.46	-3.43	0.78	-0.78
21	11.549	11.949	12.351	3.37	-3.34	0.77	-0.76
22	11.052	11.424	11.798	3.27	-3.26	0.75	-0.75
23	10.579	10.925	11.273	3.18	-3.17	0.73	-0.73
24	10.129	10.451	10.774	3.09	-3.09	0.72	-0.72
25	9.700	10.000	10.300	3.00	-3.00	0.70	-0.70
26	9.276	9.571	9.867	3.09	-3.09	0.72	-0.72
27	8.872	9.163	9.454	3.18	-3.17	0.75	-0.75
28	8.488	8.774	9.061	3.27	-3.25	0.78	-0.77
29	8.123	8.404	8.686	3.36	-3.34	0.80	-0.80
30	7.776	8.051	8.329	3.45	-3.42	0.83	-0.82
31	7.445	7.715	7.988	3.54	-3.50	0.85	-0.84
32	7.130	7.395	7.663	3.62	-3.58	0.88	-0.87
33	6.830	7.090	7.353	3.71	-3.66	0.90	-0.89
34	6.545	6.800	7.058	3.80	-3.75	0.93	-0.92
35	6.273	6.522	6.775	3.88	-3.83	0.96	-0.94
36	6.013	6.258	6.506	3.97	-3.91	0.98	-0.97
37	5.766	6.005	6.249	4.06	-3.98	1.01	-0.99
38	5.530	5.764	6.003	4.14	-4.06	1.04	-1.02
39	5.305	5.534	5.768	4.23	-4.14	1.07	-1.04
40	5.090	5.315	5.544	4.31	-4.22	1.09	-1.07
41	4.886	5.105	5.329	4.39	-4.30	1.12	-1.09
42	4.690	4.905	5.124	4.48	-4.37	1.15	-1.12
43	4.503	4.713	4.928	4.56	-4.45	1.17	-1.15
44	4.325	4.530	4.740	4.64	-4.52	1.20	-1.17
45	4.155	4.355	4.561	4.73	-4.60	1.23	-1.20
46	3.992	4.188	4.389	4.81	-4.67	1.26	-1.22
47	3.837	4.028	4.225	4.89	-4.75	1.29	-1.25
48	3.688	3.875	4.067	4.97	-4.82	1.31	-1.28
49	3.546	3.728	3.917	5.05	-4.90	1.34	-1.30
50	3.410	3.588	3.772	5.13	-4.97	1.37	-1.33
51	3.280	3.454	3.634	5.21	-5.04	1.40	-1.35
52	3.155	3.326	3.502	5.29	-5.11	1.43	-1.38
53	3.036	3.203	3.375	5.37	-5.18	1.46	-1.41
54	2.923	3.085	3.253	5.45	-5.26	1.49	-1.44
55	2.813	2.972	3.136	5.53	-5.33	1.52	-1.46
56	2.709	2.864	3.024	5.61	-5.40	1.55	-1.49
57	2.609	2.760	2.917	5.69	-5.47	1.58	-1.52
58	2.513	2.660	2.814	5.76	-5.54	1.61	-1.54
59	2.421	2.565	2.715	5.84	-5.60	1.64	-1.57
60	2.333	2.473	2.620	5.92	-5.67	1.67	-1.60
61	2.249	2.386	2.529	5.99	-5.74	1.70	-1.63
62	2.168	2.301	2.441	6.07	-5.81	1.73	-1.65
63	2.090	2.221	2.357	6.15	-5.88	1.76	-1.68
64	2.016	2.143	2.276	6.22	-5.94	1.79	-1.71
65	1.944	2.069	2.199	6.30	-6.01	1.82	-1.74
66	1.876	1.997	2.124	6.37	-6.08	1.85	-1.77
67	1.810	1.928	2.053	6.45	-6.14	1.88	-1.79
68	1.747	1.862	1.984	6.52	-6.21	1.92	-1.82
69	1.686	1.799	1.918	6.60	-6.27	1.95	-1.85
70	1.628	1.738	1.854	6.67	-6.34	1.98	-1.88

R25 = 10K Ω \pm 3%

B (25°C / 50°C) = 3950K \pm 2%

B (25°C / 85°C) = 4000K \pm 2%

Technical Data

103H-CT-42-3950GB NTC Thermistor Specifications

Temperature °C	Resistance (K Ω)			Tolerance (R)		Tolerance (°C)	
	Minimum	Center	Maximum	ΔR (%)	$-\Delta R$ (%)	ΔT	$-\Delta T$
70	1.628	1.738	1.854	6.67	-6.34	1.98	-1.88
71	1.572	1.679	1.793	6.74	-6.40	2.01	-1.91
72	1.518	1.623	1.734	6.81	-6.46	2.04	-1.94
73	1.466	1.569	1.677	6.89	-6.53	2.07	-1.97
74	1.417	1.517	1.622	6.96	-6.59	2.11	-2.00
75	1.369	1.467	1.570	7.03	-6.65	2.14	-2.02
76	1.323	1.419	1.519	7.10	-6.72	2.18	-2.06
77	1.279	1.372	1.471	7.17	-6.78	2.20	-2.08
78	1.237	1.328	1.424	7.24	-6.84	2.24	-2.11
79	1.196	1.285	1.378	7.32	-6.90	2.27	-2.14
80	1.157	1.243	1.335	7.39	-6.96	2.31	-2.17
81	1.119	1.203	1.293	7.46	-7.02	2.34	-2.20
82	1.082	1.165	1.253	7.53	-7.08	2.37	-2.23
83	1.047	1.128	1.214	7.59	-7.14	2.41	-2.26
84	1.014	1.092	1.176	7.66	-7.20	2.44	-2.29
85	0.981	1.058	1.140	7.73	-7.26	2.47	-2.32
86	0.950	1.025	1.105	7.80	-7.32	2.51	-2.35
87	0.920	0.993	1.071	7.87	-7.38	2.55	-2.39
88	0.891	0.962	1.039	7.94	-7.44	2.57	-2.41
89	0.863	0.933	1.007	8.00	-7.49	2.61	-2.44
90	0.836	0.904	0.977	8.07	-7.55	2.64	-2.47
91	0.810	0.876	0.948	8.14	-7.61	2.68	-2.51
92	0.785	0.850	0.920	8.21	-7.67	2.71	-2.54
93	0.760	0.824	0.892	8.27	-7.72	2.76	-2.58
94	0.737	0.799	0.866	8.34	-7.78	2.78	-2.59
95	0.715	0.775	0.841	8.40	-7.84	2.82	-2.63
96	0.693	0.752	0.816	8.47	-7.89	2.86	-2.66
97	0.672	0.730	0.792	8.54	-7.95	2.90	-2.70
98	0.652	0.709	0.769	8.60	-8.00	2.93	-2.73
99	0.632	0.688	0.747	8.66	-8.06	2.96	-2.76
100	0.613	0.668	0.726	8.73	-8.11	3.00	-2.79
101	0.595	0.648	0.705	8.79	-8.17	3.05	-2.83
102	0.578	0.630	0.685	8.86	-8.22	3.06	-2.84
103	0.561	0.611	0.666	8.92	-8.27	3.12	-2.89
104	0.544	0.594	0.647	8.98	-8.33	3.16	-2.93
105	0.529	0.577	0.629	9.05	-8.38	3.18	-2.95
106	0.513	0.561	0.612	9.11	-8.43	3.23	-2.99
107	0.498	0.545	0.595	9.17	-8.48	3.24	-3.00
108	0.484	0.529	0.578	9.24	-8.54	3.30	-3.05
109	0.470	0.515	0.562	9.30	-8.59	3.35	-3.09
110	0.457	0.500	0.547	9.36	-8.64	3.37	-3.11
111	0.444	0.486	0.532	9.42	-8.69	3.42	-3.15
112	0.432	0.473	0.518	9.48	-8.74	3.45	-3.18
113	0.419	0.460	0.504	9.54	-8.79	3.51	-3.24
114	0.408	0.447	0.490	9.60	-8.84	3.52	-3.24
115	0.396	0.435	0.477	9.66	-8.89	3.56	-3.28
116	0.386	0.423	0.465	9.72	-8.94	3.61	-3.32
117	0.375	0.412	0.452	9.78	-8.99	3.63	-3.34
118	0.365	0.401	0.440	9.84	-9.04	3.69	-3.39
119	0.355	0.390	0.429	9.90	-9.09	3.75	-3.44
120	0.345	0.380	0.418	9.96	-9.14	3.75	-3.44

R25 = 10K Ω \pm 3%

B (25°C / 50°C) = 3950K \pm 2%

B (25°C / 85°C) = 4000K \pm 2%

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Temperature °C	Resistance (K Ω)			Tolerance (R)		Tolerance (°C)	
	Minimum	Center	Maximum	ΔR (%)	$-\Delta R$ (%)	ΔT	$-\Delta T$
120	0.345	0.380	0.418	9.96	-9.14	3.75	-3.44
121	0.336	0.370	0.407	10.02	-9.19	3.82	-3.50
122	0.327	0.360	0.396	10.08	-9.24	3.82	-3.50
123	0.318	0.351	0.386	10.14	-9.29	3.91	-3.58
124	0.310	0.342	0.376	10.20	-9.34	3.91	-3.58
125	0.301	0.333	0.367	10.26	-9.38	3.97	-3.63
126	0.293	0.324	0.357	10.31	-9.43	4.03	-3.68
127	0.286	0.316	0.348	10.37	-9.48	4.04	-3.69
128	0.278	0.308	0.340	10.43	-9.52	4.11	-3.76
129	0.271	0.300	0.331	10.48	-9.57	4.14	-3.78
130	0.264	0.292	0.323	10.54	-9.62	4.16	-3.80
131	0.257	0.285	0.315	10.60	-9.66	4.19	-3.82
132	0.251	0.278	0.307	10.65	-9.71	4.29	-3.91
133	0.244	0.271	0.300	10.71	-9.76	4.33	-3.94
134	0.238	0.264	0.292	10.77	-9.80	4.31	-3.92
135	0.232	0.257	0.285	10.82	-9.85	4.42	-4.02
136	0.226	0.251	0.278	10.88	-9.89	4.41	-4.01
137	0.221	0.245	0.272	10.93	-9.94	4.46	-4.06
138	0.215	0.239	0.265	10.99	-9.98	4.53	-4.11
139	0.210	0.233	0.259	11.04	-10.02	4.52	-4.10
140	0.205	0.227	0.253	11.10	-10.07	4.67	-4.24
141	0.200	0.222	0.247	11.15	-10.11	4.58	-4.16
142	0.195	0.217	0.241	11.20	-10.16	4.67	-4.23
143	0.190	0.211	0.235	11.26	-10.20	4.76	-4.31
144	0.185	0.206	0.230	11.31	-10.24	4.77	-4.31
145	0.181	0.202	0.224	11.37	-10.29	4.87	-4.41
146	0.176	0.197	0.219	11.42	-10.33	4.89	-4.42
147	0.172	0.192	0.214	11.47	-10.37	4.90	-4.43
148	0.168	0.188	0.209	11.52	-10.41	4.92	-4.44
149	0.164	0.183	0.205	11.58	-10.46	5.05	-4.56
150	0.160	0.179	0.200	11.63	-10.50	4.96	-4.48
151	0.156	0.175	0.195	11.68	-10.54	5.11	-4.61
152	0.153	0.171	0.191	11.73	-10.58	5.14	-4.64
153	0.149	0.167	0.187	11.78	-10.62	5.18	-4.67
154	0.146	0.163	0.183	11.84	-10.66	5.22	-4.70
155	0.142	0.160	0.178	11.89	-10.71	5.27	-4.74
156	0.139	0.156	0.175	11.94	-10.75	5.32	-4.79
157	0.136	0.152	0.171	11.99	-10.79	5.37	-4.83
158	0.133	0.149	0.167	12.04	-10.83	5.44	-4.89
159	0.130	0.146	0.163	12.09	-10.87	5.68	-5.11
160	0.127	0.143	0.160	12.14	-10.90	5.41	-4.86
161	0.124	0.139	0.156	12.19	-10.95	5.48	-4.92
162	0.121	0.136	0.153	12.24	-10.99	5.56	-4.99
163	0.119	0.133	0.150	12.29	-11.02	5.65	-5.07
164	0.116	0.130	0.146	12.34	-11.06	5.75	-5.15
165	0.113	0.128	0.143	12.39	-11.10	5.85	-5.25
166	0.111	0.125	0.140	12.44	-11.14	5.75	-5.15
167	0.109	0.122	0.137	12.49	-11.18	5.87	-5.25
168	0.106	0.120	0.135	12.53	-11.22	5.77	-5.16
169	0.104	0.117	0.132	12.58	-11.26	6.13	-5.49
170	0.102	0.115	0.129	12.63	-11.29	5.79	-5.18

R25 = 10K Ω \pm 3%

B (25°C / 50°C) = 3950K \pm 2%

B (25°C / 85°C) = 4000K \pm 2%

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103H-CT-42-3950GB NTC Thermistor Specifications

Temperature °C	Resistance (K Ω)			Tolerance (R)		Tolerance (°C)	
	Minimum	Center	Maximum	ΔR (%)	$-\Delta R$ (%)	ΔT	$-\Delta T$
170	0.102	0.115	0.129	12.63	-11.29	5.79	-5.18
171	0.099	0.112	0.126	12.68	-11.33	6.18	-5.52
172	0.097	0.110	0.124	12.73	-11.37	6.08	-5.43
173	0.095	0.108	0.121	12.77	-11.41	6.24	-5.57
174	0.093	0.105	0.119	12.82	-11.44	6.14	-5.48
175	0.091	0.103	0.116	12.87	-11.48	6.32	-5.64
176	0.089	0.101	0.114	12.91	-11.52	6.21	-5.54
177	0.087	0.099	0.112	12.96	-11.55	6.41	-5.71
178	0.086	0.097	0.110	13.01	-11.59	6.30	-5.62
179	0.084	0.095	0.107	13.06	-11.63	6.52	-5.81
180	0.082	0.093	0.105	13.10	-11.66	6.41	-5.71
181	0.080	0.091	0.103	13.15	-11.70	6.65	-5.92
182	0.079	0.089	0.101	13.19	-11.73	6.55	-5.82
183	0.077	0.088	0.099	13.24	-11.77	6.81	-6.06
184	0.076	0.086	0.097	13.28	-11.81	6.70	-5.96
185	0.074	0.084	0.095	13.33	-11.84	6.59	-5.86
186	0.073	0.082	0.093	13.38	-11.88	6.89	-6.12
187	0.071	0.081	0.092	13.42	-11.91	6.78	-6.02
188	0.070	0.079	0.090	13.47	-11.95	7.11	-6.31
189	0.068	0.078	0.088	13.51	-11.98	7.00	-6.21
190	0.067	0.076	0.087	13.55	-12.01	6.88	-6.10
191	0.066	0.075	0.085	13.60	-12.05	7.26	-6.43
192	0.064	0.073	0.083	13.64	-12.08	7.14	-6.33
193	0.063	0.072	0.082	13.68	-12.12	7.03	-6.22
194	0.062	0.071	0.080	13.73	-12.15	7.45	-6.59
195	0.061	0.069	0.079	13.77	-12.18	7.33	-6.49
196	0.060	0.068	0.077	13.82	-12.22	7.22	-6.38
197	0.058	0.067	0.076	13.86	-12.25	7.69	-6.80
198	0.057	0.065	0.074	13.90	-12.28	7.58	-6.69
199	0.056	0.064	0.073	13.94	-12.32	7.16	-6.33
200	0.055	0.063	0.072	13.99	-12.35	7.66	-6.76
201	0.054	0.062	0.070	14.03	-12.38	7.88	-6.96
202	0.053	0.061	0.069	14.07	-12.41	7.76	-6.85
203	0.052	0.060	0.068	14.11	-12.45	7.65	-6.74
204	0.051	0.059	0.067	14.15	-12.48	7.53	-6.64
205	0.050	0.057	0.066	14.20	-12.51	8.15	-7.18
206	0.049	0.056	0.064	14.24	-12.54	8.03	-7.07
207	0.048	0.055	0.063	14.28	-12.57	7.91	-6.97
208	0.048	0.054	0.062	14.32	-12.61	7.79	-6.86
209	0.047	0.053	0.061	14.36	-12.64	8.68	-7.63
210	0.046	0.053	0.060	14.40	-12.67	8.26	-7.26
211	0.045	0.052	0.059	14.44	-12.70	8.28	-7.28
212	0.044	0.051	0.058	14.48	-12.73	8.16	-7.17
213	0.043	0.050	0.057	14.52	-12.76	8.04	-7.06
214	0.043	0.049	0.056	14.56	-12.79	8.90	-7.82
215	0.042	0.048	0.055	14.60	-12.82	8.78	-7.71
216	0.041	0.047	0.054	14.64	-12.85	7.69	-6.75
217	0.040	0.046	0.053	14.69	-12.88	8.52	-7.47
218	0.040	0.046	0.052	14.72	-12.91	9.59	-8.41
219	0.039	0.045	0.052	14.76	-12.94	8.28	-7.26
220	0.038	0.044	0.051	14.80	-12.97	8.90	-7.82

R25 = 10K Ω \pm 3%

B (25°C / 50°C) = 3950K \pm 2%

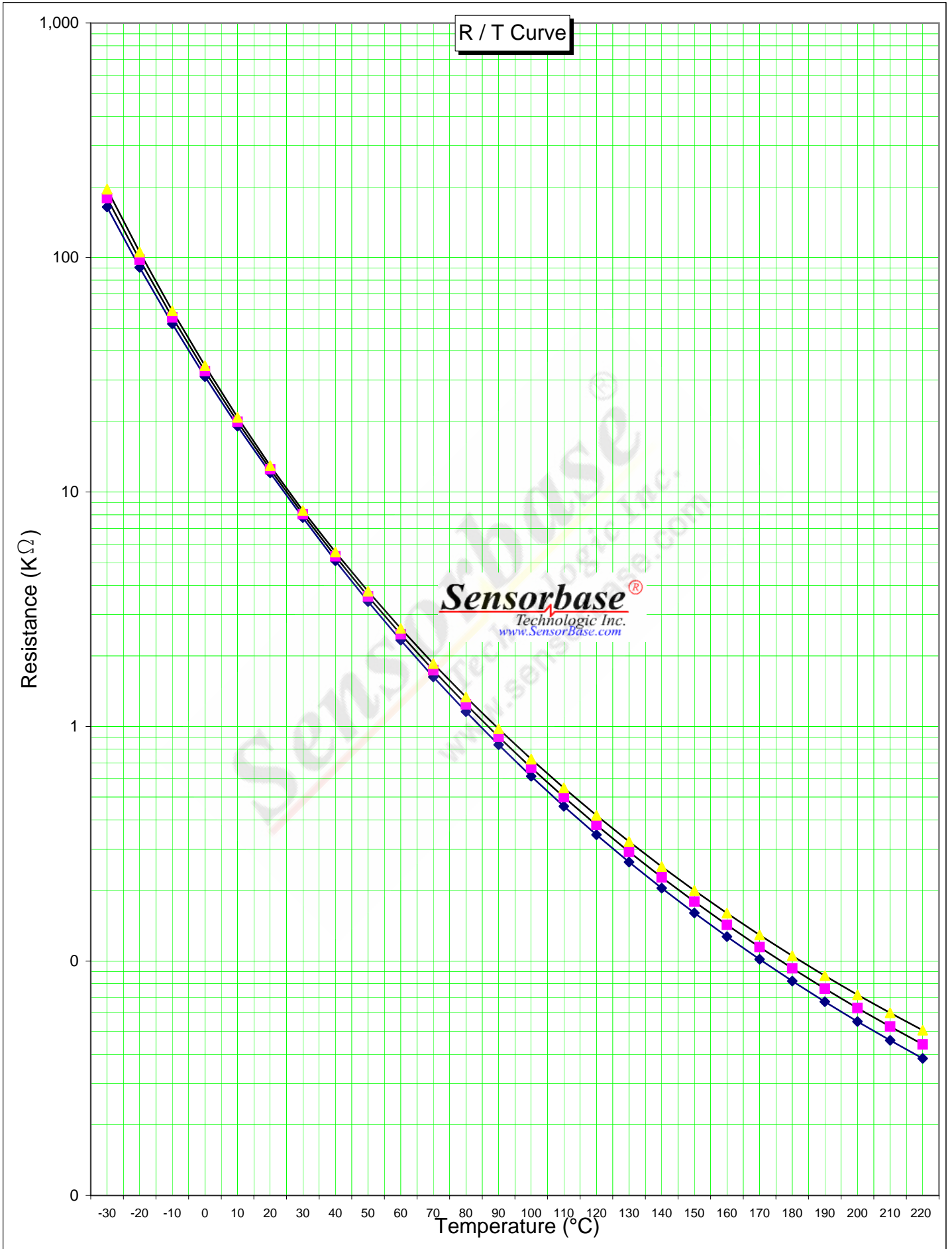
B (25°C / 85°C) = 4000K \pm 2%

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NTC Thermistor Specifications

10 Resistance / Temperature Curve



R25 = 10KΩ ±3%

B (25°C / 50°C) = 3950K ± 2%

B (25°C / 85°C) = 4000K ± 2%

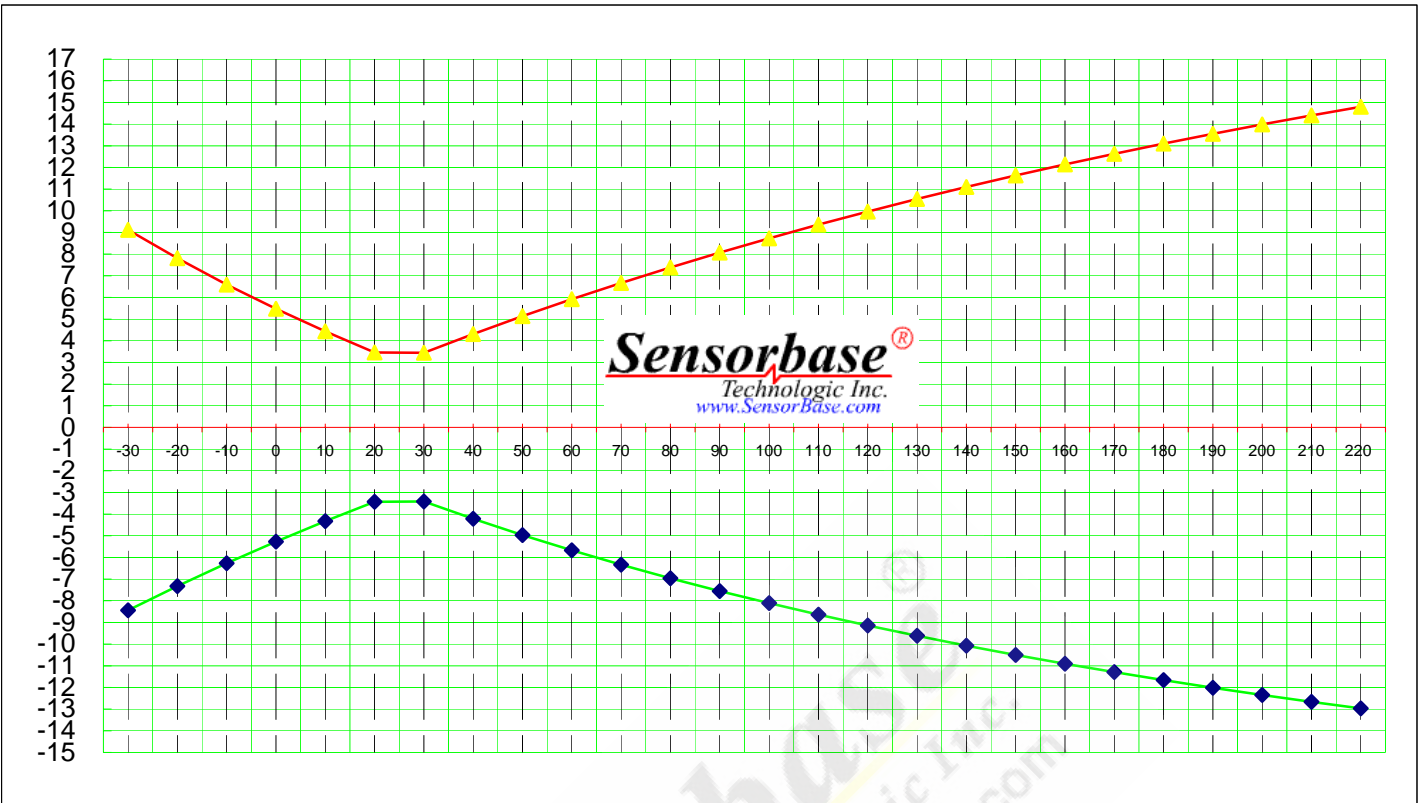
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Technical Data

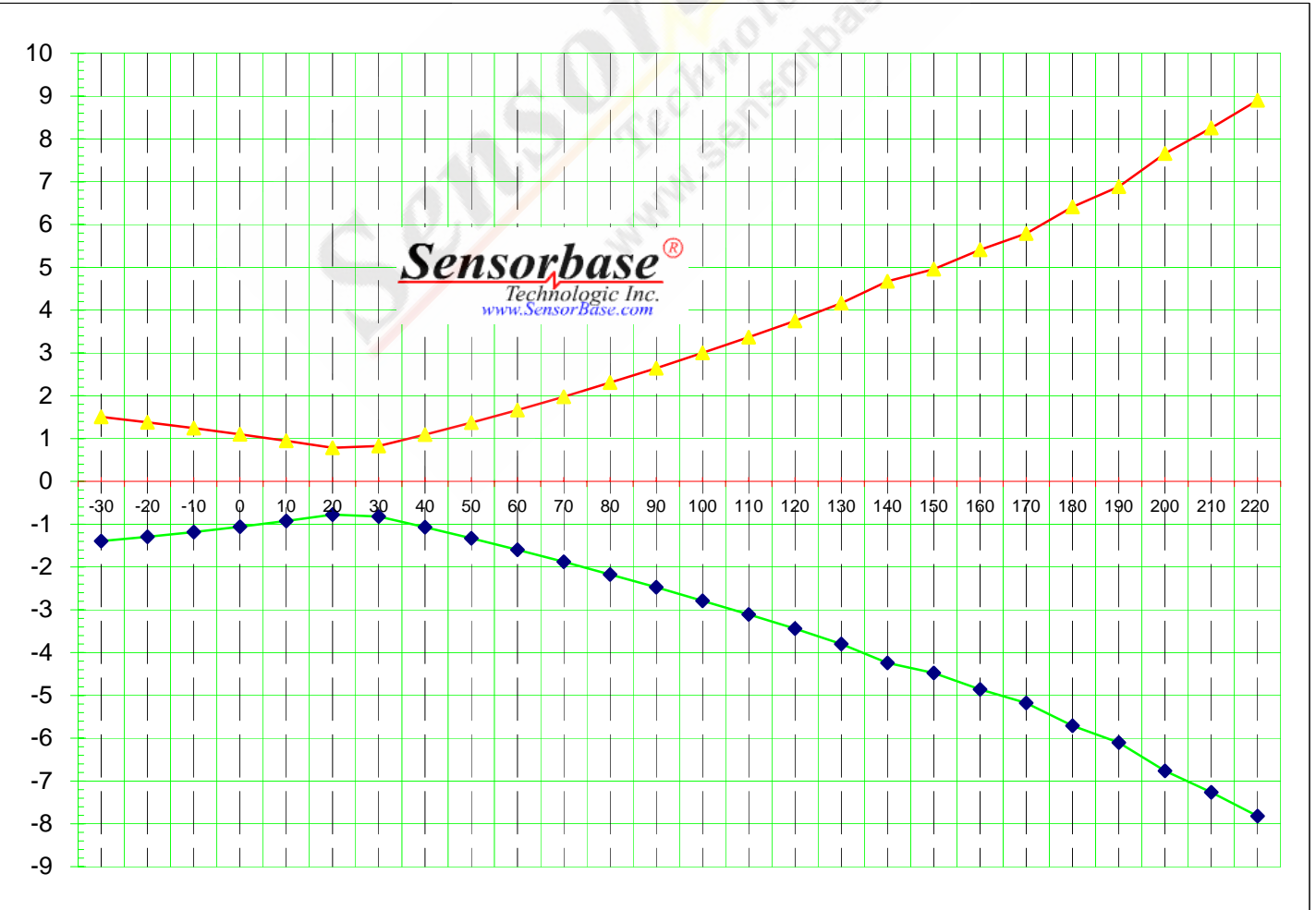
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NTC Thermistor Specifications

11 Resistance Tolerance (%)



12 Temperature Tolerance (°C)



R25 = 10KΩ ±3%

B (25°C / 50°C) = 3950K ± 2%

B (25°C / 85°C) = 4000K ± 2%

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