

SPECIFICATION FOR APPROVAL

CUSTOMER	
PART NO.	104F-CT-42-4267FA
APPLICATION	
CUSTOMER P/N	
ISSUE DATE	July 26 2009
REV. NO	1.1
REV. DATE	June 22, 2010

FOR CUSTOMER APPROVAL	CHECKED BY
	APPROVED BY

REVISED RECORD

REV. No.	REV. DATE	REVISED CONTENT
1.0	July 26 2009	New Establish
1.1	June 22 2010	Change Part number from CT-4 to CT-42

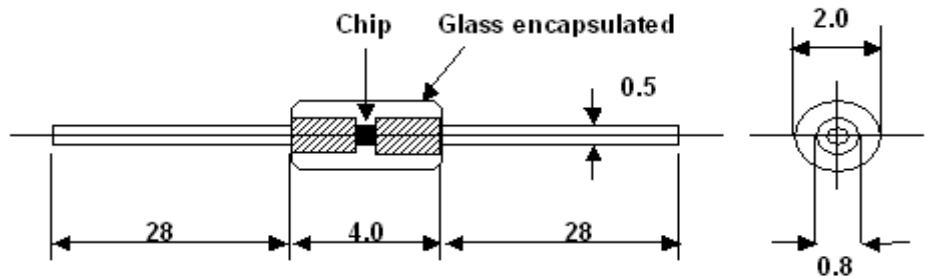
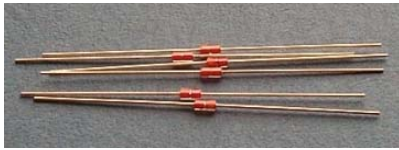


Technical Data

104F-CT-42-4267FA NTC Thermistor Specifications

1 Part Number 104F-CT-42-4267FA

2 Dimensions



3 Rating

- a) Rated zero-power resistance. $R = 100K\Omega \pm 1\%$ (at $25^{\circ}C$)
- b) B constant $B (25 / 85^{\circ}C) = 4267K \pm 1\%$
 $B (25 / 50^{\circ}C) = 4216K \pm 1\%$

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

- c) Dissipation constant : $2.5 \text{ mW} / ^{\circ}C$ Min. (in still air)
- d) Thermal time const: Approx. 6 - 8 Sec. (in still air)
- e) Operating temperat : $-30^{\circ}C$ to $+250^{\circ}C$
- f) Power consumption : 15 mW (max.)

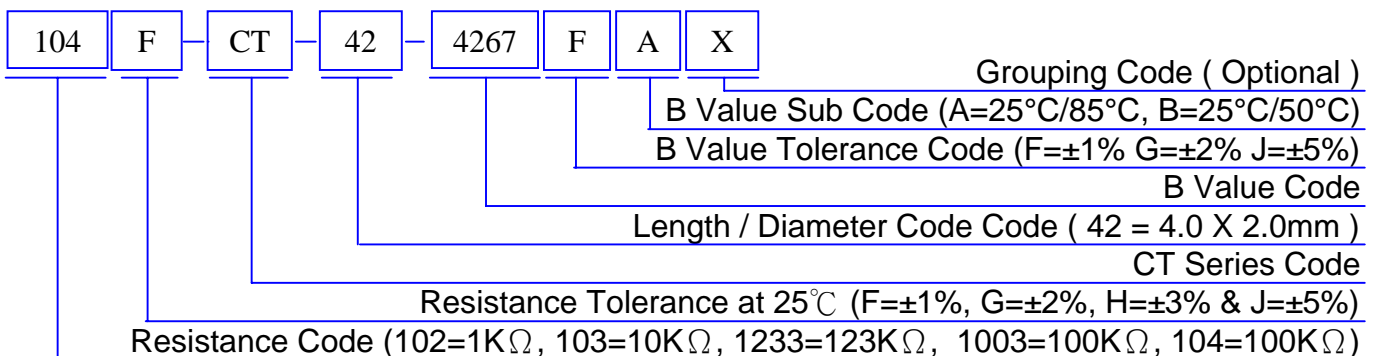
4 Reliability

- a) High Temperature Aging Test (HTAT)
Elements are placed in a chamber of temperature at $110^{\circ}C \pm 5^{\circ}C$ for 1,000 hours. Drift of electric characteristics (R_{25} , $B_{25/85}$) after HTAT are less than $\pm 3\%$.
- b) Low Temperature Aging Test (LTAT)
Elements are placed in an oil bath of temperature at $-30^{\circ}C \pm 5^{\circ}C$ for 1,000 hours. Drift of electric characteristics (R_{25} , $B_{25/85}$) after LTAT are less than $\pm 3\%$.
- c) Heat Cycling Test (HCT)
Elements are dipped into an oil bath of temperature at $-30^{\circ}C$ for 5 minute and then dipped into another bath of temperature at $90^{\circ}C$ for 5 minute. Drift of the characteristics (R_{25} , $B_{25/85}$), after 1,000 times of HCT, are less than $\pm 3\%$.
- d) High Temperature Aging Test at DC 5V
Elements are placed in atmosphere of $110^{\circ}C \pm 5^{\circ}C$ at DC 5V for 1,000 hours. Drift of electric characteristics (R_{25} , $B_{25/85}$) after test are less than $\pm 3\%$.

5 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 R_{25} shall be within $\pm 2\%$ of the initial value.

6 Part Number System



* All coding please see Coding page

Technical Data

104F-CT-42-4267FA

NTC Thermistor Specifications

7 R / T Table

Temperature	Minimum	Center	Maximum	Res. Tolerance (%)		Tolerance (°C)	
°C	(KΩ)	(KΩ)	(KΩ)	ΔR (%)	-ΔR (%)	ΔT	-ΔT
-50	8,277.12	8,743.00	9,234.18	5.62	-5.33	0.77	-0.73
-49	7,678.93	8,105.00	8,553.86	5.54	-5.26	0.76	-0.73
-48	7,128.14	7,518.00	7,928.38	5.46	-5.19	0.76	-0.72
-47	6,621.08	6,978.00	7,353.42	5.38	-5.11	0.76	-0.72
-46	6,154.99	6,482.00	6,825.70	5.30	-5.04	0.75	-0.71
-45	5,724.29	6,024.00	6,338.77	5.23	-4.98	0.75	-0.71
-44	5,328.09	5,603.00	5,891.50	5.15	-4.91	0.74	-0.71
-43	4,961.75	5,214.00	5,478.53	5.07	-4.84	0.74	-0.70
-42	4,623.41	4,855.00	5,097.68	5.00	-4.77	0.73	-0.70
-41	4,311.24	4,524.00	4,746.78	4.92	-4.70	0.73	-0.70
-40	4,022.45	4,218.00	4,422.61	4.85	-4.64	0.71	-0.68
-39	3,750.45	3,930.00	4,117.73	4.78	-4.57	0.70	-0.67
-38	3,498.11	3,663.00	3,835.28	4.70	-4.50	0.70	-0.67
-37	3,264.51	3,416.00	3,574.16	4.63	-4.43	0.69	-0.66
-36	3,048.73	3,188.00	3,333.30	4.56	-4.37	0.69	-0.66
-35	2,848.89	2,977.00	3,110.56	4.49	-4.30	0.68	-0.66
-34	2,664.09	2,782.00	2,904.84	4.42	-4.24	0.68	-0.65
-33	2,492.44	2,601.00	2,714.02	4.35	-4.17	0.67	-0.65
-32	2,333.01	2,433.00	2,537.03	4.28	-4.11	0.67	-0.64
-31	2,184.86	2,277.00	2,372.78	4.21	-4.05	0.66	-0.64
-30	2,047.08	2,132.00	2,220.22	4.14	-3.98	0.65	-0.62
-29	1,917.76	1,996.00	2,077.22	4.07	-3.92	0.64	-0.62
-28	1,796.92	1,869.00	1,943.78	4.00	-3.86	0.63	-0.61
-27	1,684.57	1,751.00	1,819.87	3.93	-3.79	0.63	-0.61
-26	1,580.72	1,642.00	1,705.49	3.87	-3.73	0.62	-0.60
-25	1,483.48	1,540.00	1,598.52	3.80	-3.67	0.62	-0.60
-24	1,393.80	1,446.00	1,500.00	3.73	-3.61	0.61	-0.59
-23	1,308.85	1,357.00	1,406.78	3.67	-3.55	0.61	-0.59
-22	1,230.52	1,275.00	1,320.95	3.60	-3.49	0.60	-0.59
-21	1,157.89	1,199.00	1,241.45	3.54	-3.43	0.59	-0.57
-20	1,089.03	1,127.00	1,166.18	3.48	-3.37	0.58	-0.57
-19	1,024.92	1,060.00	1,096.18	3.41	-3.31	0.57	-0.55
-18	964.113	996.500	1,029.87	3.35	-3.25	0.57	-0.55
-17	907.680	937.600	968.410	3.29	-3.19	0.56	-0.54
-16	854.951	882.600	911.052	3.22	-3.13	0.55	-0.54
-15	805.645	831.200	857.480	3.16	-3.07	0.55	-0.53
-14	759.572	783.200	807.482	3.10	-3.02	0.54	-0.53
-13	716.450	738.300	760.741	3.04	-2.96	0.53	-0.52
-12	675.992	696.200	716.940	2.98	-2.90	0.53	-0.51
-11	638.204	656.900	676.076	2.92	-2.85	0.52	-0.51
-10	602.799	620.100	637.834	2.86	-2.79	0.51	-0.49
-9	569.106	585.100	601.484	2.80	-2.73	0.50	-0.49
-8	537.512	552.300	567.438	2.74	-2.68	0.49	-0.48
-7	507.925	521.600	535.590	2.68	-2.62	0.49	-0.48
-6	480.249	492.900	505.834	2.62	-2.57	0.48	-0.47
-5	454.198	465.900	477.856	2.57	-2.51	0.47	-0.46
-4	429.677	440.500	451.551	2.51	-2.46	0.47	-0.46
-3	406.784	416.800	427.020	2.45	-2.40	0.46	-0.45
-2	385.135	394.400	403.848	2.40	-2.35	0.45	-0.44
-1	364.828	373.400	382.136	2.34	-2.30	0.44	-0.44
0	345.767	353.700	361.779	2.28	-2.24	0.43	-0.42

R = 100KΩ ± 1% (at 25°C)
 B (25 / 85°C) = 4267K ± 1%
 B (25 / 50°C) = 4216K ± 1%

Technical Data

104F-CT-42-4267FA NTC Thermistor Specifications

Temperature °C	Minimum (KΩ)	Center (KΩ)	Maximum (KΩ)	Res. Tolerance (%)		Tolerance (°C)	
				ΔR (%)	-ΔR (%)	ΔT	-ΔT
0	345.767	353.700	361.779	2.28	-2.24	0.43	-0.42
1	327.665	335.000	342.465	2.23	-2.19	0.42	-0.41
2	310.521	317.300	324.195	2.17	-2.14	0.42	-0.41
3	294.434	300.700	307.069	2.12	-2.08	0.41	-0.40
4	279.307	285.100	290.984	2.06	-2.03	0.40	-0.39
5	265.046	270.400	275.834	2.01	-1.98	0.39	-0.39
6	251.554	256.500	261.517	1.96	-1.93	0.39	-0.38
7	238.929	243.500	248.133	1.90	-1.88	0.38	-0.37
8	226.978	231.200	235.477	1.85	-1.83	0.37	-0.36
9	215.701	219.600	223.548	1.80	-1.78	0.36	-0.35
10	205.001	208.600	212.241	1.75	-1.73	0.35	-0.35
11	194.880	198.200	201.556	1.69	-1.67	0.34	-0.34
12	185.241	188.300	191.390	1.64	-1.62	0.33	-0.33
13	176.181	179.000	181.846	1.59	-1.57	0.33	-0.32
14	167.702	170.300	172.921	1.54	-1.53	0.32	-0.31
15	159.608	162.000	164.411	1.49	-1.48	0.31	-0.30
16	151.901	154.100	156.315	1.44	-1.43	0.30	-0.30
17	144.678	146.700	148.736	1.39	-1.38	0.29	-0.29
18	137.841	139.700	141.570	1.34	-1.33	0.28	-0.28
19	131.393	133.100	134.816	1.29	-1.28	0.27	-0.27
20	125.234	126.800	128.372	1.24	-1.23	0.27	-0.27
21	119.464	120.900	122.341	1.19	-1.19	0.25	-0.25
22	113.887	115.200	116.517	1.14	-1.14	0.25	-0.25
23	108.698	109.900	111.104	1.10	-1.09	0.24	-0.24
24	103.703	104.800	105.898	1.05	-1.05	0.23	-0.23
25	99.000	100.000	101.000	1.00	-1.00	0.22	-0.22
26	94.422	95.420	96.419	1.05	-1.05	0.23	-0.23
27	90.085	91.080	92.077	1.09	-1.09	0.24	-0.24
28	85.980	86.970	87.962	1.14	-1.14	0.25	-0.25
29	82.077	83.060	84.046	1.19	-1.18	0.27	-0.27
30	78.385	79.360	80.339	1.23	-1.23	0.28	-0.28
31	74.854	75.820	76.790	1.28	-1.27	0.29	-0.29
32	71.505	72.460	73.421	1.33	-1.32	0.30	-0.30
33	68.326	69.270	70.220	1.37	-1.36	0.31	-0.31
34	65.308	66.240	67.179	1.42	-1.41	0.33	-0.32
35	62.441	63.360	64.286	1.46	-1.45	0.34	-0.34
36	59.724	60.630	61.543	1.51	-1.49	0.35	-0.35
37	57.128	58.020	58.920	1.55	-1.54	0.36	-0.36
38	54.672	55.550	56.436	1.60	-1.58	0.38	-0.37
39	52.337	53.200	54.072	1.64	-1.62	0.39	-0.39
40	50.111	50.960	51.818	1.68	-1.67	0.40	-0.39
41	47.967	48.800	49.643	1.73	-1.71	0.41	-0.41
42	45.932	46.750	47.578	1.77	-1.75	0.42	-0.42
43	43.997	44.800	45.613	1.81	-1.79	0.44	-0.43
44	42.153	42.940	43.738	1.86	-1.83	0.45	-0.44
45	40.398	41.170	41.952	1.90	-1.87	0.47	-0.46
46	38.734	39.490	40.257	1.94	-1.92	0.48	-0.47
47	37.139	37.880	38.632	1.99	-1.96	0.49	-0.48
48	35.624	36.350	37.087	2.03	-2.00	0.50	-0.50
49	34.179	34.890	35.612	2.07	-2.04	0.52	-0.51
50	32.794	33.490	34.197	2.11	-2.08	0.53	-0.52

R = 100KΩ ± 1% (at 25°C)

B (25 / 85°C) = 4267K ± 1%

B (25 / 50°C) = 4216K ± 1%

Technical Data

104F-CT-42-4267FA NTC Thermistor Specifications

Temperature °C	Minimum (KΩ)	Center (KΩ)	Maximum (KΩ)	Res. Tolerance (%)		Tolerance (°C)	
				ΔR (%)	-ΔR (%)	ΔT	-ΔT
50	32.794	33.490	34.197	2.11	-2.08	0.53	-0.52
51	31.469	32.150	32.842	2.15	-2.12	0.54	-0.53
52	30.204	30.870	31.547	2.19	-2.16	0.56	-0.55
53	28.999	29.650	30.313	2.24	-2.20	0.57	-0.56
54	27.853	28.490	29.138	2.28	-2.24	0.58	-0.57
55	26.747	27.370	28.004	2.32	-2.27	0.60	-0.59
56	25.701	26.310	26.930	2.36	-2.31	0.61	-0.60
57	24.705	25.300	25.907	2.40	-2.35	0.63	-0.61
58	23.749	24.330	24.923	2.44	-2.39	0.64	-0.63
59	22.832	23.400	23.980	2.48	-2.43	0.65	-0.64
60	21.955	22.510	23.077	2.52	-2.47	0.67	-0.65
61	21.118	21.660	22.214	2.56	-2.50	0.68	-0.66
62	20.311	20.840	21.381	2.60	-2.54	0.69	-0.68
63	19.543	20.060	20.589	2.64	-2.58	0.70	-0.69
64	18.805	19.310	19.826	2.67	-2.61	0.72	-0.70
65	18.097	18.590	19.094	2.71	-2.65	0.74	-0.72
66	17.429	17.910	18.403	2.75	-2.69	0.75	-0.73
67	16.780	17.250	17.731	2.79	-2.72	0.76	-0.75
68	16.161	16.620	17.090	2.83	-2.76	0.78	-0.76
69	15.572	16.020	16.479	2.87	-2.80	0.79	-0.77
70	15.003	15.440	15.888	2.90	-2.83	0.82	-0.80
71	14.463	14.890	15.328	2.94	-2.87	0.81	-0.79
72	13.933	14.350	14.778	2.98	-2.90	0.84	-0.82
73	13.433	13.840	14.258	3.02	-2.94	0.85	-0.83
74	12.953	13.350	13.758	3.05	-2.97	0.87	-0.84
75	12.493	12.880	13.278	3.09	-3.01	0.88	-0.86
76	12.052	12.430	12.819	3.13	-3.04	0.88	-0.86
77	11.621	11.990	12.370	3.17	-3.08	0.93	-0.90
78	11.220	11.580	11.951	3.20	-3.11	0.93	-0.90
79	10.828	11.180	11.542	3.24	-3.15	0.95	-0.93
80	10.457	10.800	11.153	3.27	-3.18	0.96	-0.93
81	10.095	10.430	10.775	3.31	-3.21	0.96	-0.93
82	9.743	10.070	10.407	3.35	-3.25	0.99	-0.96
83	9.412	9.731	10.060	3.38	-3.28	1.01	-0.98
84	9.092	9.404	9.725	3.42	-3.31	1.02	-0.99
85	8.785	9.089	9.403	3.45	-3.35	1.04	-1.00
86	8.489	8.786	9.092	3.49	-3.38	1.05	-1.02
87	8.205	8.495	8.794	3.52	-3.41	1.06	-1.03
88	7.931	8.214	8.506	3.56	-3.44	1.09	-1.05
89	7.669	7.945	8.230	3.59	-3.48	1.10	-1.07
90	7.416	7.686	7.965	3.62	-3.51	1.11	-1.07
91	7.171	7.434	7.706	3.66	-3.54	1.13	-1.09
92	6.936	7.193	7.459	3.69	-3.57	1.14	-1.10
93	6.709	6.960	7.219	3.73	-3.60	1.16	-1.12
94	6.491	6.736	6.989	3.76	-3.64	1.17	-1.13
95	6.281	6.520	6.767	3.80	-3.67	1.20	-1.15
96	6.080	6.313	6.555	3.83	-3.70	1.21	-1.17
97	5.885	6.113	6.349	3.86	-3.73	1.22	-1.18
98	5.697	5.920	6.151	3.90	-3.76	1.25	-1.20
99	5.518	5.735	5.960	3.93	-3.79	1.26	-1.21
100	5.344	5.556	5.776	3.96	-3.82	1.27	-1.23

R = 100KΩ ± 1% (at 25°C)

B (25 / 85°C) = 4267K ± 1%

B (25 / 50°C) = 4216K ± 1%

Sensorbase[®]
Technologic Inc.
www.SensorBase.com

Technical Data

104F-CT-42-4267FA NTC Thermistor Specifications

Temperature	Minimum	Center	Maximum	Res. Tolerance (%)		Tolerance (°C)	
°C	(KΩ)	(KΩ)	(KΩ)	ΔR (%)	-ΔR (%)	ΔT	-ΔT
100	5.344	5.556	5.776	3.96	-3.82	1.27	-1.23
101	5.176	5.383	5.598	3.99	-3.85	1.30	-1.25
102	5.015	5.217	5.427	4.03	-3.88	1.31	-1.27
103	4.859	5.057	5.262	4.06	-3.91	1.32	-1.28
104	4.709	4.902	5.103	4.09	-3.94	1.35	-1.30
105	4.564	4.753	4.949	4.12	-3.97	1.36	-1.31
106	4.425	4.609	4.801	4.16	-4.00	1.38	-1.33
107	4.290	4.470	4.657	4.19	-4.03	1.40	-1.34
108	4.160	4.336	4.519	4.22	-4.06	1.42	-1.36
109	4.035	4.207	4.386	4.25	-4.09	1.43	-1.38
110	3.914	4.082	4.257	4.28	-4.12	1.44	-1.39
111	3.797	3.961	4.132	4.31	-4.15	1.47	-1.42
112	3.685	3.845	4.012	4.35	-4.17	1.48	-1.42
113	3.575	3.732	3.895	4.38	-4.20	1.50	-1.44
114	3.470	3.623	3.783	4.41	-4.23	1.52	-1.46
115	3.368	3.518	3.674	4.44	-4.26	1.53	-1.47
116	3.270	3.416	3.569	4.47	-4.29	1.56	-1.49
117	3.175	3.318	3.467	4.50	-4.31	1.57	-1.51
118	3.083	3.223	3.369	4.53	-4.34	1.60	-1.54
119	2.995	3.132	3.275	4.56	-4.37	1.60	-1.54
120	2.909	3.043	3.183	4.59	-4.40	1.62	-1.56
121	2.826	2.957	3.094	4.62	-4.43	1.65	-1.58
122	2.746	2.874	3.008	4.65	-4.45	1.65	-1.58
123	2.668	2.793	2.924	4.68	-4.48	1.68	-1.60
124	2.593	2.715	2.843	4.71	-4.51	1.70	-1.63
125	2.520	2.640	2.765	4.74	-4.53	1.71	-1.64
126	2.450	2.567	2.689	4.77	-4.56	1.72	-1.65
127	2.382	2.496	2.616	4.80	-4.59	1.76	-1.68
128	2.316	2.428	2.545	4.83	-4.61	1.78	-1.70
129	2.252	2.362	2.477	4.85	-4.64	1.79	-1.71
130	2.191	2.298	2.410	4.88	-4.67	1.81	-1.73
131	2.131	2.236	2.346	4.91	-4.69	1.83	-1.75
132	2.073	2.176	2.284	4.94	-4.72	1.85	-1.77
133	2.018	2.118	2.223	4.97	-4.74	1.85	-1.76
134	1.963	2.061	2.164	5.00	-4.77	1.91	-1.82
135	1.911	2.007	2.108	5.03	-4.79	1.90	-1.82
136	1.860	1.954	2.053	5.05	-4.82	1.90	-1.81
137	1.810	1.902	1.999	5.08	-4.85	1.97	-1.88
138	1.763	1.853	1.948	5.11	-4.87	1.97	-1.88
139	1.717	1.805	1.898	5.14	-4.90	1.97	-1.88
140	1.671	1.758	1.849	5.16	-4.92	1.97	-1.88
141	1.627	1.712	1.801	5.19	-4.95	2.02	-1.92
142	1.585	1.668	1.755	5.22	-4.97	2.07	-1.97
143	1.545	1.626	1.711	5.25	-5.00	2.03	-1.93
144	1.504	1.584	1.668	5.27	-5.02	2.09	-1.99
145	1.466	1.544	1.626	5.30	-5.04	2.10	-2.00
146	1.429	1.505	1.585	5.33	-5.07	2.11	-2.01
147	1.392	1.467	1.546	5.36	-5.09	2.18	-2.08
148	1.358	1.431	1.508	5.38	-5.12	2.14	-2.03
149	1.323	1.395	1.470	5.41	-5.14	2.16	-2.05
150	1.290	1.360	1.434	5.44	-5.16	2.24	-2.13

R = 100KΩ ± 1% (at 25°C)

B (25 / 85°C) = 4267K ± 1%

B (25 / 50°C) = 4216K ± 1%

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Technical Data

104F-CT-42-4267FA

NTC Thermistor Specifications

Temperature °C	Minimum (KΩ)	Center (KΩ)	Maximum (KΩ)	Res. Tolerance (%)		Tolerance (°C)	
				ΔR (%)	-ΔR (%)	ΔT	-ΔT
150	1.290	1.360	1.434	5.44	-5.16	2.24	-2.13
151	1.258	1.327	1.399	5.46	-5.19	2.20	-2.09
152	1.227	1.294	1.365	5.49	-5.21	2.22	-2.11
153	1.196	1.262	1.332	5.51	-5.24	2.24	-2.13
154	1.166	1.231	1.299	5.54	-5.26	2.35	-2.23
155	1.139	1.202	1.269	5.57	-5.28	2.23	-2.12
156	1.110	1.172	1.238	5.59	-5.31	2.34	-2.22
157	1.083	1.144	1.208	5.62	-5.33	2.38	-2.26
158	1.057	1.117	1.180	5.64	-5.35	2.33	-2.21
159	1.031	1.090	1.152	5.67	-5.37	2.38	-2.25
160	1.007	1.064	1.125	5.69	-5.40	2.42	-2.30
161	0.983	1.039	1.098	5.72	-5.42	2.48	-2.35
162	0.960	1.015	1.073	5.74	-5.44	2.40	-2.27
163	0.937	0.991	1.048	5.77	-5.46	2.46	-2.33
164	0.914	0.968	1.024	5.79	-5.49	2.49	-2.36
165	0.893	0.945	1.000	5.82	-5.51	2.51	-2.38
166	0.872	0.923	0.977	5.84	-5.53	2.53	-2.40
167	0.852	0.902	0.955	5.87	-5.55	2.56	-2.42
168	0.832	0.881	0.933	5.89	-5.58	2.58	-2.44
169	0.813	0.861	0.912	5.92	-5.60	2.60	-2.46
170	0.794	0.841	0.891	5.94	-5.62	2.60	-2.46
171	0.776	0.822	0.871	5.97	-5.64	2.64	-2.49
172	0.758	0.804	0.852	5.99	-5.66	2.65	-2.50
173	0.741	0.785	0.833	6.02	-5.68	2.68	-2.54
174	0.724	0.768	0.814	6.04	-5.71	2.70	-2.55
175	0.708	0.751	0.796	6.06	-5.73	2.73	-2.57
176	0.692	0.734	0.779	6.09	-5.75	2.74	-2.59
177	0.676	0.718	0.761	6.11	-5.77	2.78	-2.62
178	0.661	0.702	0.745	6.14	-5.79	2.80	-2.64
179	0.647	0.686	0.729	6.16	-5.81	2.82	-2.66
180	0.632	0.671	0.713	6.18	-5.83	2.82	-2.66
181	0.618	0.657	0.697	6.21	-5.85	2.87	-2.71
182	0.605	0.643	0.683	6.23	-5.87	2.88	-2.71
183	0.592	0.629	0.668	6.25	-5.89	2.89	-2.72
184	0.579	0.615	0.654	6.28	-5.91	2.92	-2.76
185	0.566	0.602	0.640	6.30	-5.93	2.96	-2.79
186	0.554	0.589	0.626	6.32	-5.95	2.98	-2.81
187	0.542	0.577	0.613	6.34	-5.98	3.00	-2.82
188	0.530	0.564	0.600	6.37	-6.00	3.02	-2.84
189	0.519	0.552	0.588	6.39	-6.02	3.04	-2.86
190	0.508	0.541	0.575	6.41	-6.04	3.07	-2.89
191	0.497	0.530	0.564	6.43	-6.05	3.07	-2.89
192	0.487	0.518	0.552	6.46	-6.07	3.10	-2.92
193	0.477	0.508	0.540	6.48	-6.09	3.13	-2.95
194	0.467	0.497	0.529	6.50	-6.11	3.17	-2.98
195	0.457	0.487	0.519	6.52	-6.13	3.18	-2.99
196	0.448	0.477	0.508	6.55	-6.15	3.19	-2.99
197	0.438	0.467	0.498	6.57	-6.17	3.23	-3.04
198	0.429	0.458	0.488	6.59	-6.19	3.24	-3.05
199	0.420	0.448	0.478	6.61	-6.21	3.29	-3.09
200	0.412	0.439	0.468	6.63	-6.23	3.27	-3.08

R = 100KΩ ± 1% (at 25°C)

B (25 / 85°C) = 4267K ± 1%

B (25 / 50°C) = 4216K ± 1%

Technical Data

104F-CT-42-4267FA NTC Thermistor Specifications

Temperature	Minimum	Center	Maximum	Res. Tolerance (%)		Tolerance (°C)	
°C	(KΩ)	(KΩ)	(KΩ)	ΔR (%)	-ΔR (%)	ΔT	-ΔT
200	0.412	0.439	0.468	6.63	-6.23	3.27	-3.08
201	0.404	0.430	0.459	6.66	-6.25	3.33	-3.13
202	0.395	0.422	0.450	6.68	-6.27	3.31	-3.11
203	0.387	0.413	0.441	6.70	-6.29	3.38	-3.17
204	0.380	0.405	0.432	6.72	-6.31	3.40	-3.19
205	0.372	0.397	0.424	6.74	-6.32	3.43	-3.22
206	0.365	0.389	0.416	6.76	-6.34	3.42	-3.21
207	0.357	0.382	0.407	6.78	-6.36	3.45	-3.24
208	0.350	0.374	0.400	6.80	-6.38	3.54	-3.32
209	0.343	0.367	0.392	6.83	-6.40	3.48	-3.26
210	0.337	0.360	0.384	6.85	-6.42	3.57	-3.35
211	0.330	0.353	0.377	6.87	-6.44	3.56	-3.34
212	0.324	0.346	0.370	6.89	-6.45	3.56	-3.33
213	0.317	0.339	0.363	6.91	-6.47	3.61	-3.38
214	0.311	0.333	0.356	6.93	-6.49	3.66	-3.43
215	0.305	0.327	0.349	6.95	-6.51	3.66	-3.43
216	0.299	0.320	0.343	6.97	-6.53	3.66	-3.43
217	0.294	0.314	0.336	6.99	-6.54	3.72	-3.48
218	0.288	0.308	0.330	7.01	-6.56	3.73	-3.49
219	0.283	0.303	0.324	7.03	-6.58	3.80	-3.55
220	0.277	0.297	0.318	7.05	-6.60	3.74	-3.50
221	0.272	0.291	0.312	7.07	-6.61	3.82	-3.57
222	0.267	0.286	0.306	7.09	-6.63	3.83	-3.58
223	0.262	0.281	0.301	7.11	-6.65	3.91	-3.66
224	0.257	0.276	0.295	7.13	-6.67	3.85	-3.60
225	0.252	0.270	0.290	7.15	-6.68	3.95	-3.69
226	0.248	0.266	0.285	7.17	-6.70	3.89	-3.63
227	0.243	0.261	0.279	7.19	-6.72	3.99	-3.73
228	0.239	0.256	0.274	7.21	-6.74	4.01	-3.75
229	0.234	0.251	0.269	7.23	-6.75	4.04	-3.77
230	0.230	0.247	0.265	7.25	-6.77	3.98	-3.71
231	0.226	0.242	0.260	7.27	-6.79	4.10	-3.82
232	0.222	0.238	0.255	7.29	-6.80	4.13	-3.86
233	0.218	0.234	0.251	7.31	-6.82	4.07	-3.80
234	0.214	0.230	0.246	7.33	-6.84	4.21	-3.92
235	0.210	0.226	0.242	7.35	-6.85	4.14	-3.87
236	0.206	0.222	0.238	7.37	-6.87	4.19	-3.90
237	0.203	0.218	0.234	7.38	-6.89	4.23	-3.95
238	0.199	0.214	0.230	7.40	-6.90	4.28	-3.99
239	0.196	0.210	0.226	7.42	-6.92	4.22	-3.93
240	0.192	0.207	0.222	7.44	-6.94	4.27	-3.98
241	0.189	0.203	0.218	7.46	-6.95	4.45	-4.15
242	0.186	0.200	0.214	7.48	-6.97	4.26	-3.97
243	0.182	0.196	0.211	7.50	-6.98	4.45	-4.15
244	0.179	0.193	0.207	7.52	-7.00	4.39	-4.09
245	0.176	0.189	0.204	7.53	-7.02	4.46	-4.15
246	0.173	0.186	0.200	7.55	-7.03	4.54	-4.22
247	0.170	0.183	0.197	7.57	-7.05	4.47	-4.16
248	0.167	0.180	0.194	7.59	-7.06	4.55	-4.24
249	0.164	0.177	0.190	7.61	-7.08	4.49	-4.18
250	0.162	0.174	0.187	7.63	-7.09	4.60	-4.28

R = 100KΩ ± 1% (at 25°C)

B (25 / 85°C) = 4267K ± 1%

B (25 / 50°C) = 4216K ± 1%

Technical Data

104F-CT-42-4267FA NTC Thermistor Specifications

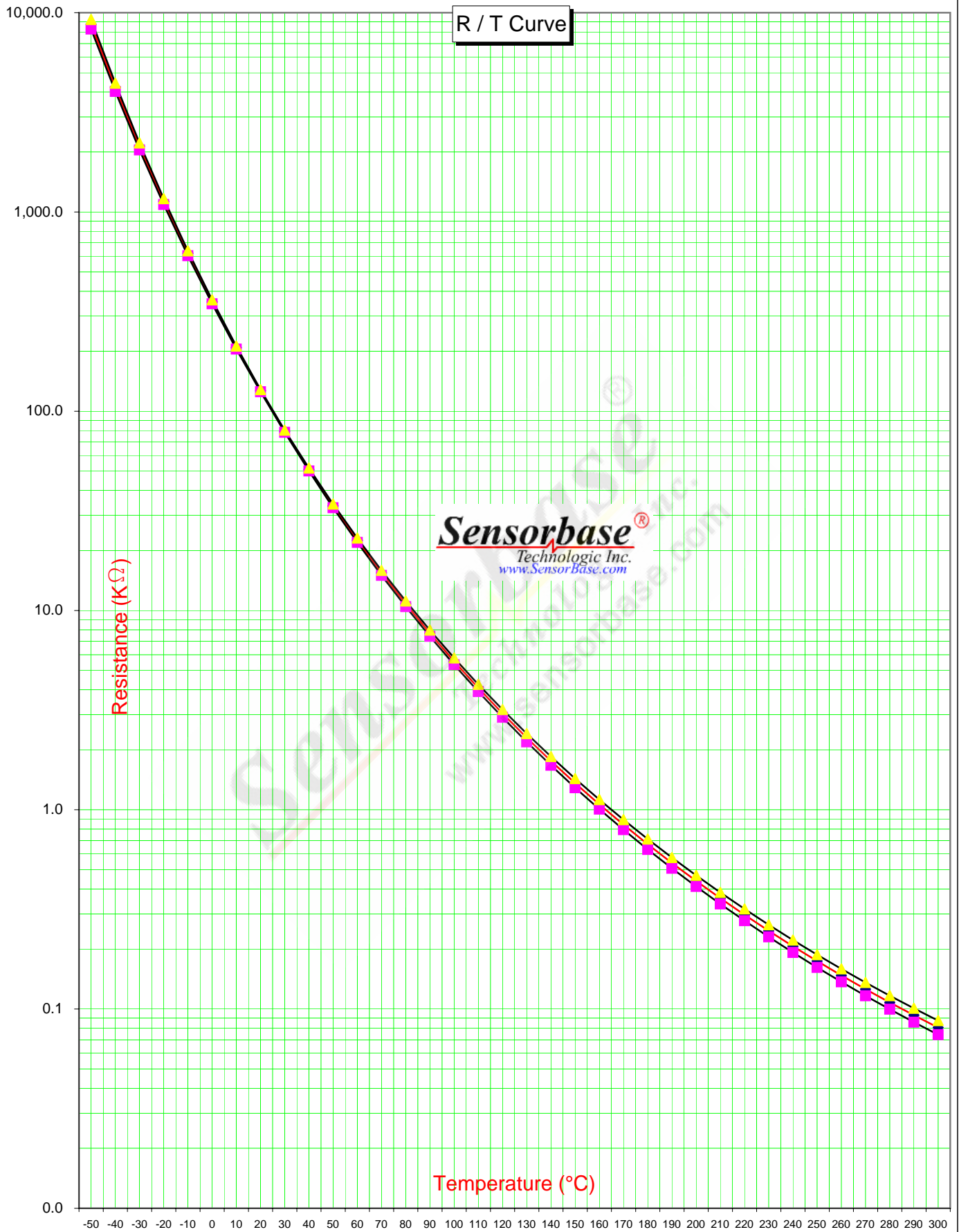
Temperature	Minimum	Center	Maximum	Res. Tolerance (%)		Tolerance (°C)	
°C	(KΩ)	(KΩ)	(KΩ)	ΔR (%)	-ΔR (%)	ΔT	-ΔT
250	0.162	0.174	0.187	7.63	-7.09	4.60	-4.28
251	0.159	0.171	0.184	7.64	-7.11	4.65	-4.33
252	0.156	0.168	0.181	7.66	-7.13	4.61	-4.28
253	0.154	0.166	0.178	7.68	-7.14	4.71	-4.38
254	0.151	0.163	0.175	7.70	-7.16	4.64	-4.32
255	0.149	0.160	0.172	7.72	-7.17	4.75	-4.42
256	0.146	0.158	0.170	7.73	-7.19	4.68	-4.35
257	0.144	0.155	0.167	7.75	-7.20	4.80	-4.46
258	0.141	0.152	0.164	7.77	-7.22	4.74	-4.40
259	0.139	0.150	0.162	7.79	-7.23	4.86	-4.52
260	0.137	0.148	0.159	7.80	-7.25	4.92	-4.57
261	0.135	0.145	0.157	7.82	-7.26	4.81	-4.47
262	0.132	0.143	0.154	7.84	-7.28	5.09	-4.72
263	0.130	0.141	0.152	7.86	-7.29	4.80	-4.46
264	0.128	0.138	0.149	7.87	-7.31	4.95	-4.59
265	0.126	0.136	0.147	7.89	-7.32	5.11	-4.75
266	0.124	0.134	0.145	7.91	-7.34	5.05	-4.68
267	0.122	0.132	0.142	7.92	-7.35	4.98	-4.62
268	0.120	0.130	0.140	7.94	-7.37	5.15	-4.78
269	0.118	0.128	0.138	7.96	-7.38	5.09	-4.72
270	0.116	0.126	0.136	7.98	-7.40	5.25	-4.87
271	0.115	0.124	0.134	7.99	-7.41	5.24	-4.86
272	0.113	0.122	0.132	8.01	-7.42	5.14	-4.77
273	0.111	0.120	0.130	8.03	-7.44	5.07	-4.70
274	0.109	0.118	0.128	8.04	-7.45	5.28	-4.89
275	0.108	0.116	0.126	8.06	-7.47	5.52	-5.11
276	0.106	0.115	0.124	8.08	-7.48	5.15	-4.77
277	0.104	0.113	0.122	8.09	-7.50	5.37	-4.98
278	0.103	0.111	0.120	8.11	-7.51	5.64	-5.22
279	0.101	0.110	0.119	8.12	-7.52	5.24	-4.85
280	0.100	0.108	0.117	8.14	-7.54	5.49	-5.08
281	0.098	0.106	0.115	8.16	-7.55	5.42	-5.02
282	0.097	0.105	0.113	8.17	-7.57	5.71	-5.28
283	0.095	0.103	0.112	8.19	-7.58	5.28	-4.89
284	0.094	0.102	0.110	8.21	-7.59	5.56	-5.14
285	0.092	0.100	0.108	8.22	-7.61	5.76	-5.32
286	0.091	0.099	0.107	8.24	-7.62	5.61	-5.19
287	0.090	0.097	0.105	8.25	-7.63	5.65	-5.23
288	0.088	0.096	0.104	8.27	-7.65	5.70	-5.27
289	0.087	0.094	0.102	8.29	-7.66	5.75	-5.32
290	0.086	0.093	0.101	8.30	-7.67	5.72	-5.29
291	0.085	0.092	0.099	8.32	-7.69	5.78	-5.34
292	0.083	0.090	0.098	8.33	-7.70	5.84	-5.40
293	0.082	0.089	0.097	8.35	-7.71	5.86	-5.41
294	0.081	0.088	0.095	8.36	-7.73	5.88	-5.43
295	0.080	0.087	0.094	8.38	-7.74	5.90	-5.45
296	0.079	0.085	0.093	8.40	-7.75	5.97	-5.51
297	0.078	0.084	0.091	8.41	-7.77	5.95	-5.49
298	0.076	0.083	0.090	8.43	-7.78	6.03	-5.56
299	0.075	0.082	0.089	8.44	-7.79	6.06	-5.59
300	0.074	0.081	0.087	8.46	-7.81	6.09	-5.62

R = 100KΩ ± 1% (at 25°C)

B (25 / 85°C) = 4267K ± 1%

B (25 / 50°C) = 4216K ± 1%

8 R / T Curve



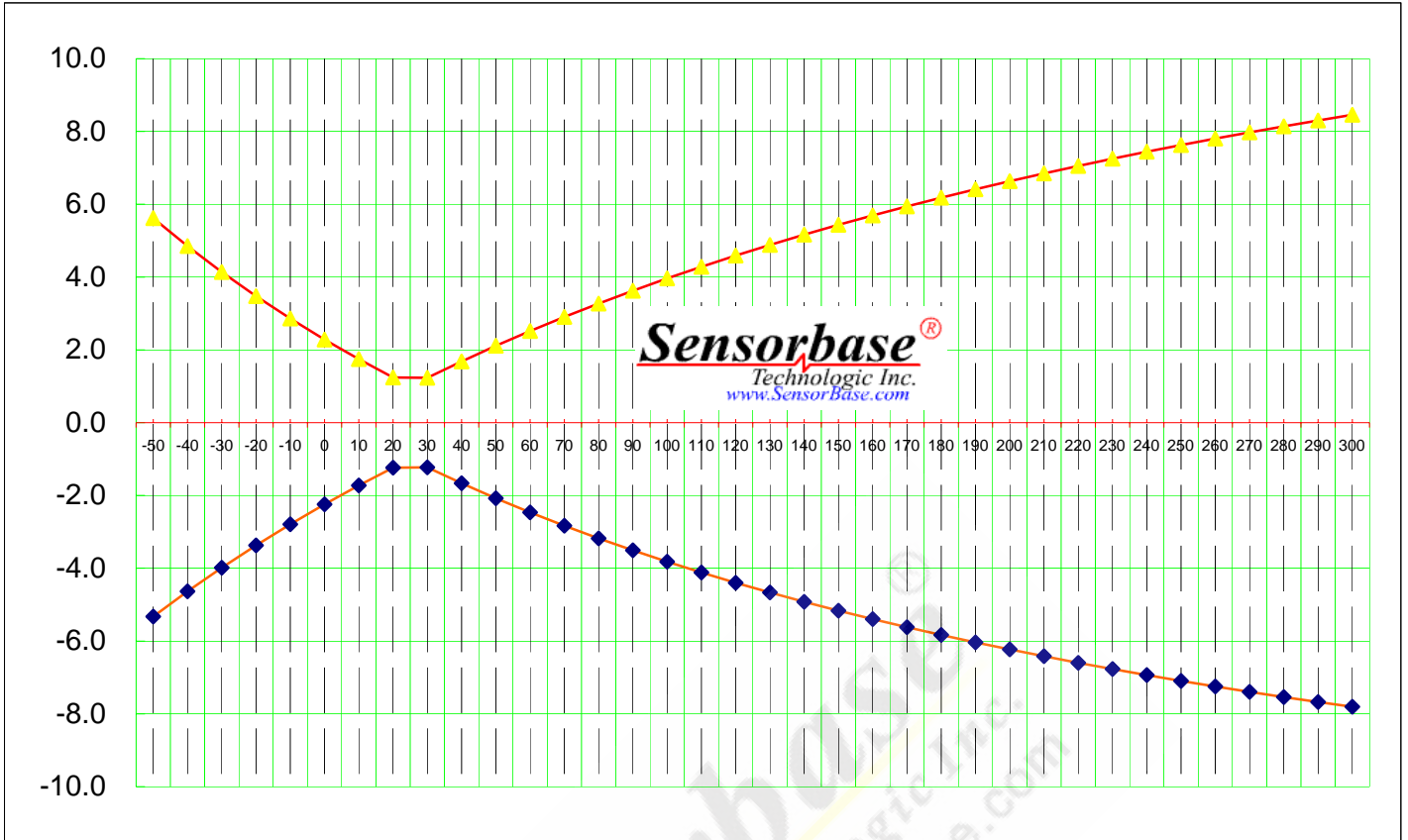
R = 100KΩ ± 1% (at 25°C)
 B (25 / 85°C) = 4267K ± 1%
 B (25 / 50°C) = 4216K ± 1%

Technical Data

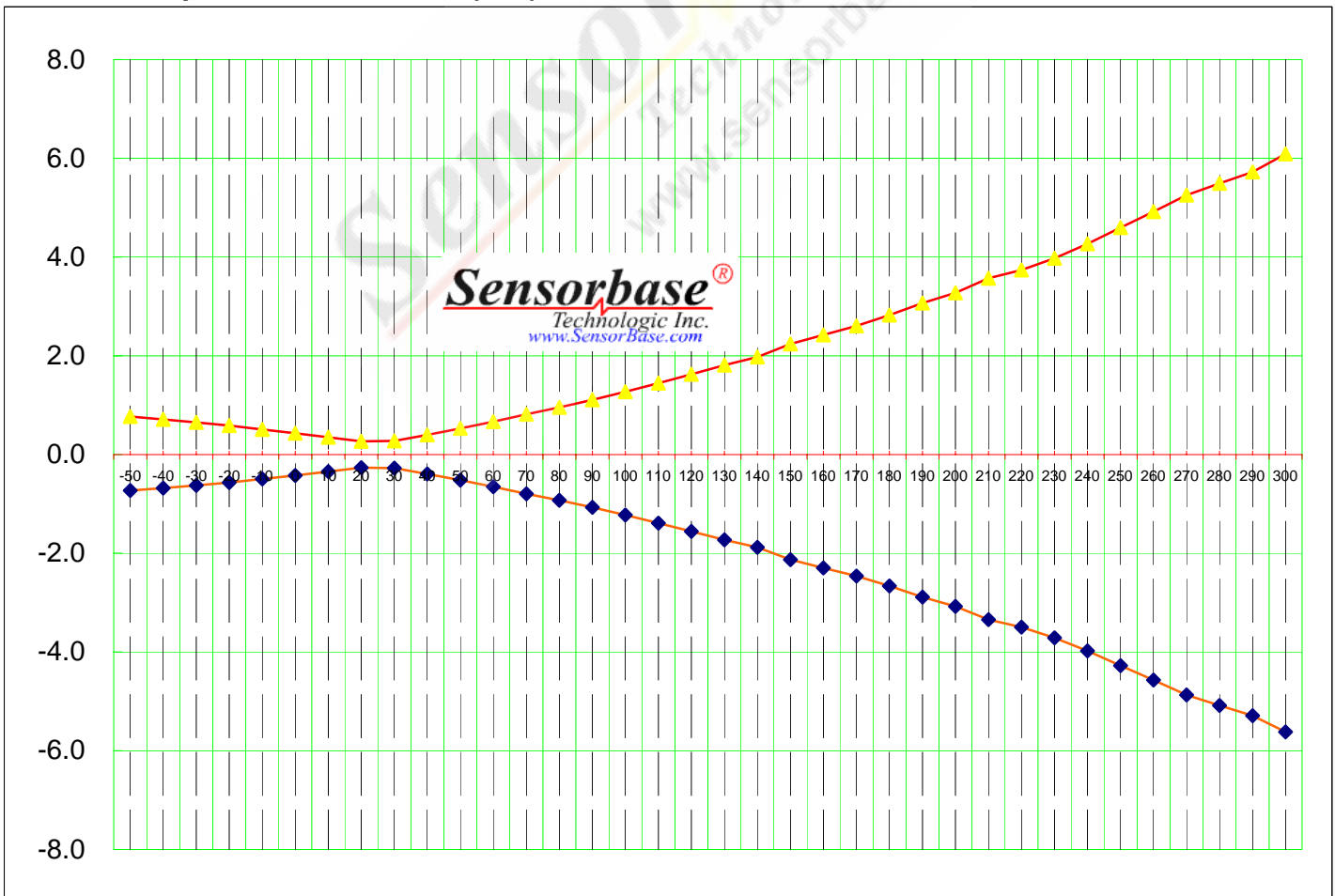
104F-CT-42-4267FA

NTC Thermistor Specifications

9 Resistance Tolerance (%)



10 Temperature Tolerance (°C)



R = 100K Ω \pm 1% (at 25°C)
B (25 / 85°C) = 4267K \pm 1%
B (25 / 50°C) = 4216K \pm 1%

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