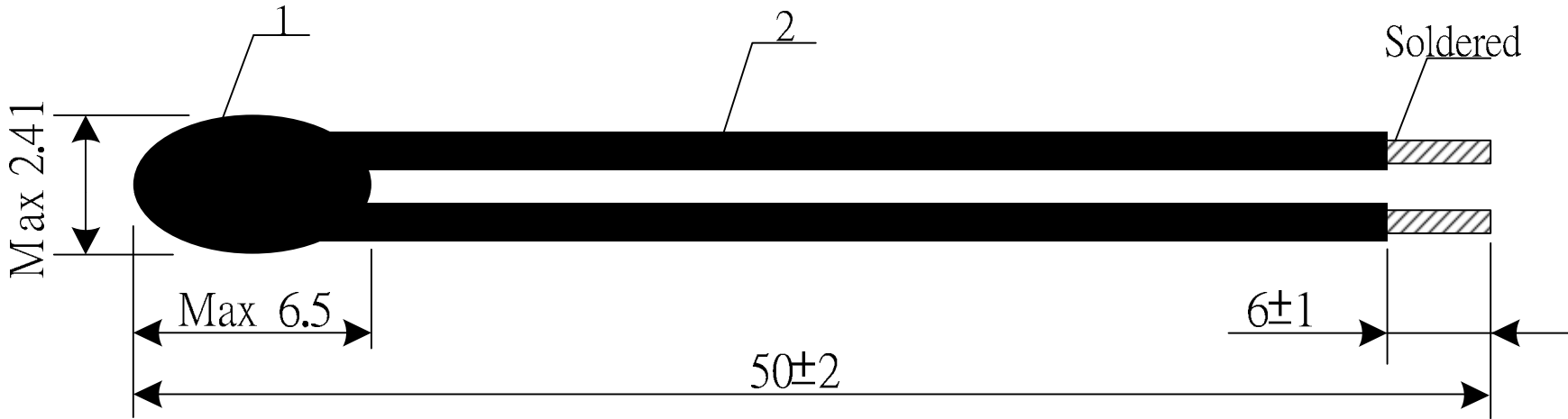


							A. Material List		
							NO.	ITEM	DESCRIPTION
							1	COATING RESIN	BLACK EPOXY
							2	LEAD WIRE	UL1332#30 TS Black wire
							*	ELEMENT	NTC Thermistor
							B. Electrical Characteristic		
							ITEM		VALUE
							R25℃		10KΩ ±1%
							B25/100℃		3988 K ± 1%
									
							Customer		
							Customer P/N		
							Thinking P/N		NTSE1103FZ066
							Drawing NO.		SE1512014
							Date		2023/7/12
							Tol: ±mm	Unit: mm	Scale:
							THINKING ELECTRONIC INDUSTRIAL CO.,LTD		
Rev.	Date	Subjects of Change	ECN.NO	Designed by	Checked by	Approved by			



R - T Table

Part No. :NTSE1103FZ066

R25=10K Ω $\pm$ 1%

B25/100 = 3988 K $\pm$ 1%

Temperature (°C)	Rmax. (K Ω)	Rnor. (K Ω)	Rmin. (K Ω)	Temperature Tol. (°C)	
-40	338.310	323.515	309.336	-0.71	0.71
-39	317.208	303.529	290.411	-0.68	0.70
-38	297.294	284.657	272.529	-0.67	0.68
-37	278.623	266.951	255.742	-0.66	0.68
-36	261.186	250.405	240.044	-0.65	0.67
-35	244.938	234.976	225.397	-0.65	0.67
-34	229.810	220.603	211.744	-0.64	0.66
-33	215.728	207.215	199.018	-0.64	0.66
-32	202.613	194.739	187.151	-0.63	0.65
-31	190.392	183.105	176.079	-0.63	0.65
-30	178.992	172.247	165.739	-0.62	0.64
-29	168.350	162.104	156.074	-0.62	0.64
-28	158.405	152.620	147.031	-0.61	0.63
-27	149.104	143.745	138.564	-0.60	0.62
-26	140.399	135.433	130.630	-0.60	0.62
-25	132.247	127.645	123.191	-0.59	0.61
-24	124.608	120.342	116.212	-0.58	0.60
-23	117.446	113.492	109.661	-0.58	0.60
-22	110.730	107.065	103.510	-0.57	0.59
-21	104.429	101.031	97.7337	-0.56	0.58
-20	98.5162	95.3657	92.3068	-0.56	0.57
-19	92.9669	90.0456	87.2073	-0.55	0.57
-18	87.7576	85.0485	82.4148	-0.54	0.56
-17	82.8666	80.3541	77.9100	-0.54	0.55
-16	78.2738	75.9434	73.6750	-0.53	0.55
-15	73.9602	71.7985	69.6931	-0.52	0.54
-14	69.9082	67.9028	65.9484	-0.51	0.53
-13	66.1012	64.2406	62.4262	-0.51	0.53
-12	62.5237	60.7973	59.1127	-0.50	0.52
-11	59.1610	57.5590	55.9948	-0.49	0.51
-10	55.9996	54.5129	53.0602	-0.49	0.51
-9	53.0267	51.6467	50.2976	-0.48	0.50
-8	50.2300	48.9491	47.6961	-0.47	0.49
-7	47.5985	46.4094	45.2455	-0.47	0.49
-6	45.1216	44.0176	42.9364	-0.46	0.48
-5	42.7893	41.7643	40.7598	-0.45	0.47
-4	40.5924	39.6407	38.7075	-0.45	0.47
-3	38.5223	37.6387	36.7717	-0.44	0.46
-2	36.5709	35.7505	34.9449	-0.43	0.45
-1	34.7308	33.9690	33.2205	-0.43	0.45
0	32.9947	32.2874	31.5921	-0.42	0.44
1	31.3563	30.6996	30.0536	-0.41	0.43
2	29.8094	29.1997	28.5996	-0.41	0.42

3	28.3482	27.7822	27.2248	-0.40	0.42
4	26.9675	26.4421	25.9244	-0.39	0.41
5	25.6623	25.1747	24.6939	-0.38	0.40
6	24.4280	23.9756	23.5291	-0.38	0.39
7	23.2602	22.8405	22.4261	-0.37	0.39
8	22.1550	21.7657	21.3811	-0.36	0.38
9	21.1087	20.7477	20.3908	-0.35	0.37
10	20.1176	19.7830	19.4520	-0.35	0.36
11	19.1785	18.8685	18.5616	-0.34	0.35
12	18.2885	18.0013	17.7168	-0.33	0.35
13	17.4446	17.1787	16.9152	-0.32	0.34
14	16.6443	16.3982	16.1541	-0.32	0.33
15	15.8849	15.6572	15.4313	-0.31	0.32
16	15.1642	14.9537	14.7448	-0.30	0.31
17	14.4800	14.2856	14.0924	-0.29	0.30
18	13.8302	13.6507	13.4722	-0.28	0.30
19	13.2130	13.0474	12.8827	-0.27	0.29
20	12.6266	12.4739	12.3219	-0.27	0.28
21	12.0692	11.9286	11.7885	-0.26	0.27
22	11.5393	11.4100	11.2810	-0.25	0.26
23	11.0353	10.9165	10.7979	-0.24	0.25
24	10.5560	10.4469	10.3380	-0.23	0.24
25	10.1000	10.0000	9.90000	-0.22	0.24
26	9.67442	9.57447	9.47461	-0.23	0.25
27	9.26897	9.16924	9.06968	-0.25	0.26
28	8.88260	8.78325	8.68415	-0.26	0.27
29	8.51434	8.41550	8.31699	-0.27	0.28
30	8.16324	8.06505	7.96725	-0.28	0.29
31	7.82844	7.73101	7.63403	-0.29	0.30
32	7.50911	7.41254	7.31647	-0.30	0.32
33	7.20447	7.10884	7.01378	-0.31	0.33
34	6.91378	6.81917	6.72518	-0.33	0.34
35	6.63633	6.54281	6.44996	-0.34	0.35
36	6.37147	6.27910	6.18745	-0.35	0.36
37	6.11857	6.02740	5.93699	-0.36	0.38
38	5.87704	5.78711	5.69799	-0.37	0.39
39	5.64631	5.55767	5.46986	-0.39	0.40
40	5.42586	5.33853	5.25207	-0.40	0.41
41	5.21518	5.12918	5.04410	-0.41	0.43
42	5.01379	4.92915	4.84546	-0.42	0.44
43	4.82124	4.73798	4.65569	-0.44	0.45
44	4.63710	4.55523	4.47436	-0.45	0.46
45	4.46097	4.38049	4.30104	-0.46	0.48
46	4.29246	4.21338	4.13535	-0.47	0.49
47	4.13120	4.05353	3.97692	-0.49	0.50
48	3.97685	3.90058	3.82539	-0.50	0.51
49	3.82908	3.75421	3.68043	-0.51	0.53
50	3.68758	3.61409	3.54172	-0.52	0.54
51	3.55204	3.47995	3.40897	-0.54	0.55
52	3.42220	3.35148	3.28189	-0.55	0.57
53	3.29778	3.22842	3.16020	-0.56	0.58
54	3.17853	3.11052	3.04366	-0.58	0.59

55	3.06421	2.99753	2.93202	-0.59	0.60
56	2.95459	2.88924	2.82505	-0.60	0.62
57	2.84945	2.78541	2.72253	-0.62	0.63
58	2.74859	2.68584	2.62425	-0.63	0.64
59	2.65182	2.59034	2.53003	-0.64	0.66
60	2.55895	2.49872	2.43966	-0.66	0.67
61	2.46979	2.41080	2.35298	-0.67	0.69
62	2.38419	2.32641	2.26981	-0.68	0.70
63	2.30199	2.24540	2.18999	-0.70	0.71
64	2.22303	2.16762	2.11338	-0.71	0.73
65	2.14716	2.09291	2.03983	-0.73	0.74
66	2.07426	2.02115	1.96920	-0.74	0.75
67	2.00419	1.95219	1.90136	-0.75	0.77
68	1.93683	1.88593	1.83618	-0.77	0.78
69	1.87206	1.82223	1.77356	-0.78	0.79
70	1.80977	1.76100	1.71337	-0.80	0.81
71	1.74984	1.70211	1.65551	-0.81	0.82
72	1.69219	1.64548	1.59989	-0.82	0.84
73	1.63671	1.59099	1.54639	-0.84	0.85
74	1.58332	1.53857	1.49494	-0.85	0.86
75	1.53191	1.48812	1.44544	-0.87	0.88
76	1.48242	1.43956	1.39781	-0.88	0.89
77	1.43475	1.39282	1.35197	-0.90	0.91
78	1.38884	1.34780	1.30785	-0.91	0.92
79	1.34461	1.30445	1.26537	-0.93	0.94
80	1.30199	1.26270	1.22447	-0.94	0.95
81	1.26092	1.22247	1.18508	-0.96	0.96
82	1.22133	1.18371	1.14713	-0.97	0.98
83	1.18317	1.14635	1.11057	-0.99	0.99
84	1.14637	1.11035	1.07535	-1.00	1.01
85	1.11089	1.07563	1.04140	-1.02	1.02
86	1.07666	1.04216	1.00867	-1.03	1.04
87	1.04364	1.00989	0.97713	-1.05	1.05
88	1.01179	0.97876	0.94671	-1.06	1.07
89	0.98105	0.94873	0.91738	-1.08	1.08
90	0.95139	0.91975	0.88909	-1.09	1.10
91	0.92275	0.89180	0.86179	-1.11	1.11
92	0.89511	0.86481	0.83546	-1.12	1.13
93	0.86842	0.83877	0.81006	-1.14	1.14
94	0.84264	0.81363	0.78554	-1.15	1.16
95	0.81775	0.78936	0.76187	-1.17	1.17
96	0.79371	0.76592	0.73902	-1.19	1.19
97	0.77048	0.74328	0.71696	-1.20	1.20
98	0.74804	0.72141	0.69566	-1.22	1.22
99	0.72635	0.70029	0.67509	-1.23	1.23
100	0.70539	0.67988	0.65523	-1.25	1.25
101	0.68513	0.66016	0.63603	-1.27	1.27
102	0.66554	0.64110	0.61749	-1.28	1.28
103	0.64661	0.62268	0.59957	-1.30	1.30
104	0.62830	0.60487	0.58225	-1.32	1.31
105	0.61059	0.58765	0.56552	-1.33	1.33
106	0.59346	0.57100	0.54934	-1.35	1.35
107	0.57689	0.55490	0.53370	-1.37	1.36
108	0.56087	0.53933	0.51857	-1.38	1.38

109	0.54536	0.52427	0.50395	-1.40	1.39
110	0.53035	0.50970	0.48980	-1.42	1.41
111	0.51582	0.49560	0.47612	-1.43	1.43
112	0.50176	0.48196	0.46288	-1.45	1.44
113	0.48815	0.46875	0.45008	-1.47	1.46
114	0.47497	0.45597	0.43768	-1.49	1.48
115	0.46221	0.44360	0.42569	-1.50	1.49
116	0.44985	0.43162	0.41408	-1.52	1.51
117	0.43788	0.42002	0.40284	-1.54	1.53
118	0.42629	0.40879	0.39196	-1.56	1.55
119	0.41505	0.39790	0.38143	-1.58	1.56
120	0.40417	0.38736	0.37122	-1.59	1.58
121	0.39362	0.37715	0.36134	-1.61	1.60
122	0.38339	0.36726	0.35177	-1.63	1.62
123	0.37348	0.35767	0.34249	-1.65	1.63
124	0.36387	0.34838	0.33351	-1.67	1.65
125	0.35456	0.33937	0.32480	-1.69	1.67
126	0.34552	0.33063	0.31636	-1.70	1.69
127	0.33676	0.32217	0.30817	-1.72	1.70
128	0.32826	0.31395	0.30024	-1.74	1.72
129	0.32001	0.30599	0.29255	-1.76	1.74
130	0.31201	0.29826	0.28509	-1.78	1.76
131	0.30425	0.29076	0.27785	-1.80	1.78
132	0.29671	0.28349	0.27083	-1.82	1.79
133	0.28939	0.27643	0.26402	-1.84	1.81
134	0.28229	0.26958	0.25741	-1.86	1.83
135	0.27539	0.26293	0.25100	-1.87	1.85
136	0.26870	0.25647	0.24477	-1.89	1.87
137	0.26219	0.25019	0.23872	-1.91	1.88
138	0.25587	0.24410	0.23285	-1.93	1.90
139	0.24973	0.23818	0.22715	-1.95	1.92
140	0.24376	0.23244	0.22162	-1.97	1.94
141	0.23796	0.22685	0.21624	-1.99	1.95
142	0.23232	0.22142	0.21101	-2.01	1.97
143	0.22684	0.21614	0.20593	-2.03	1.99
144	0.22150	0.21101	0.20099	-2.05	2.01
145	0.21632	0.20602	0.19619	-2.06	2.03
146	0.21127	0.20117	0.19153	-2.08	2.04
147	0.20637	0.19645	0.18699	-2.10	2.06
148	0.20159	0.19186	0.18257	-2.12	2.08
149	0.19694	0.18739	0.17828	-2.14	2.09
150	0.19241	0.18304	0.17410	-2.16	2.11