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SPECIFICATION FOR APPROVAL

CUSTOMER	Codico-Sample shop
CERTIFIED MODEL/TYPE	
PART NO.	BTSTB102CBB041(RoHS)
APPLICATION	
CUSTOMER P/N	
ISSUE DATE	Apr.7.2026
REV. NO.	1.0
REV. DATE	

FOR CUSTOMER APPROVAL	CHECKED BY
	Hu Feng
	APPROVED BY
	Hu Feng

CUSTOMER: Codico-Sample shop CUSTOMER P/N：

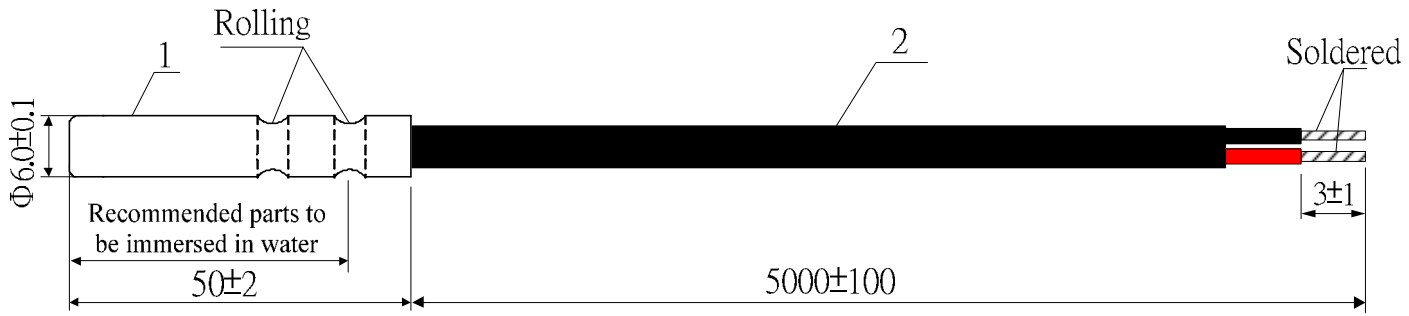
Part No. : BTSTB102CBB041

REVISED RECORD SHEET

REV. NO	REV. DATE	REVISED CONTENT
1.0	2026/4/7	New Released

A. Material List		
NO.	ITEM	DESCRIPTION
*	ELEMENT	PT-1000
1	CAP	Φ6*50 Stainless steel
2	LEAD WIRE	Black silicone wire OD5.0mm, cores: red, black

B. Electrical Characteristic	
ITEM	VALUE
R0℃	1000Ω（Class2 B)
TCR	3750ppm/K
Note: The resistance R at 0°C is 1000Ω, and the line impedance is 0.0594 Ω/m	



							Customer	Codico-Sample shop	
							Customer P/N		
							Thinking P/N	BTSTB102CBB041	
							Drawing NO.	BTS2007007	
							Date	2026/4/7	
							Tol: ±0.3	Unit: mm	Scale:
1.0	2026/4/7	New Released		ZhouShaoXing	Hu Feng	Hu Feng	*THINKING ELECTRONIC INDUSTRIAL CO., LTD.*		
Rev.	Date	Subjects of Change	ECN No.	Designed by	Checked by	Approved by			

Customer: Codico-Sample shop

Thinking P/N: BTSTB102CBB041

NO	PART NAME	PART P/N	Q'TY	FLAMMABILITY SOLID BURNING CLASS	UL FILE NO
*	ELEMENT	PT-1000	1		
1	CAP	Φ6*50 Stainless steel	1		
2	LEAD WIRE	Black silicone wire OD5.0mm, cores: red, black	1		
REMARK					

Approved by: Hu Feng Checked by: Hu Feng Designed by: ZhouShaoXing

Specification of PT SENSOR for Temperature Measurement and Control

PART NO . BTSTB102CBB041

CUSTOMER P/N .

1. Electrical characteristics

	Parameter	Symbol	Test Conditions	Min.	Nor.	Max.	Unit.
a.	Resistance At 0℃	R_0	R0℃=1000Ω	Class 2B			Ω
b	TCR		3750				ppm/K

2. Maximun Ratings

	Parameter	Specification	Unit
a.	Operation Temperature Range	-40 ----- +105	℃

PT1000 Temperature vs resistance

Tolerance class: 2B

Pt1000 TC 3750ppm

Permissible deviation : $Dt = \pm 2(0.3°C + 0.005 \bullet | t |)$

Temperature	Resistance Rt	Sensibility	Permissible deviation	
°C	W	$^{W}/_{°C}$	°C	W
-40	846.580	3.863	1.000	3.863
-39	850.440	3.861	0.990	3.823
-38	854.300	3.860	0.980	3.783
-37	858.160	3.858	0.970	3.743
-36	862.010	3.857	0.960	3.703
-35	865.870	3.856	0.950	3.663
-34	869.730	3.854	0.940	3.623
-33	873.580	3.853	0.930	3.583
-32	877.430	3.851	0.920	3.543
-31	881.280	3.850	0.910	3.503
-30	885.130	3.849	0.900	3.464
-29	888.980	3.847	0.890	3.424
-28	892.830	3.846	0.880	3.384
-27	896.670	3.844	0.870	3.345
-26	900.510	3.843	0.860	3.305
-25	904.360	3.842	0.850	3.266
-24	908.200	3.840	0.840	3.226
-23	912.040	3.839	0.830	3.186
-22	915.880	3.838	0.820	3.147
-21	919.710	3.836	0.810	3.108
-20	923.550	3.835	0.800	3.068
-19	927.380	3.834	0.790	3.029
-18	931.220	3.833	0.780	2.989
-17	935.050	3.831	0.770	2.950
-16	938.880	3.830	0.760	2.911
-15	942.710	3.829	0.750	2.872
-14	946.540	3.827	0.740	2.832
-13	950.360	3.826	0.730	2.793
-12	954.190	3.825	0.720	2.754
-11	958.010	3.824	0.710	2.715
-10	961.840	3.822	0.700	2.676
-9	965.660	3.821	0.690	2.637
-8	969.480	3.820	0.680	2.598
-7	973.300	3.819	0.670	2.559
-6	977.120	3.817	0.660	2.520
-5	980.930	3.816	0.650	2.481
-4	984.750	3.815	0.640	2.442
-3	988.560	3.814	0.630	2.403
-2	992.380	3.813	0.620	2.364
-1	996.190	3.811	0.610	2.325
0	1000.000	3.810	0.600	2.286
1	1003.810	3.809	0.610	2.323

PT1000 Temperature vs resistance

Tolerance class: 2B

Pt1000 TC 3750ppm

Permissible deviation : Dt = ±2(0.3°C + 0.005 • | t |)

2	1007.620	3.808	0.620	2.361
3	1011.430	3.807	0.630	2.398
4	1015.230	3.805	0.640	2.435
5	1019.040	3.804	0.650	2.473
6	1022.840	3.803	0.660	2.510
7	1026.640	3.802	0.670	2.547
8	1030.440	3.801	0.680	2.584
9	1034.240	3.799	0.690	2.622
10	1038.040	3.798	0.700	2.659
11	1041.840	3.797	0.710	2.696
12	1045.640	3.796	0.720	2.733
13	1049.430	3.795	0.730	2.770
14	1053.220	3.793	0.740	2.807
15	1057.020	3.792	0.750	2.844
16	1060.810	3.791	0.760	2.881
17	1064.600	3.790	0.770	2.918
18	1068.390	3.789	0.780	2.955
19	1072.180	3.787	0.790	2.992
20	1075.960	3.786	0.800	3.029
21	1079.750	3.785	0.810	3.066
22	1083.530	3.784	0.820	3.103
23	1087.320	3.783	0.830	3.139
24	1091.100	3.781	0.840	3.176
25	1094.880	3.780	0.850	3.213
26	1098.660	3.779	0.860	3.250
27	1102.440	3.778	0.870	3.287
28	1106.210	3.776	0.880	3.323
29	1109.990	3.775	0.890	3.360
30	1113.760	3.774	0.900	3.397
31	1117.540	3.773	0.910	3.433
32	1121.310	3.772	0.920	3.470
33	1125.080	3.770	0.930	3.507
34	1128.850	3.769	0.940	3.543
35	1132.620	3.768	0.950	3.580
36	1136.390	3.767	0.960	3.616
37	1140.150	3.766	0.970	3.653
38	1143.920	3.764	0.980	3.689
39	1147.680	3.763	0.990	3.726
40	1151.440	3.762	1.000	3.762
41	1155.210	3.761	1.010	3.798
42	1158.970	3.760	1.020	3.835
43	1162.730	3.758	1.030	3.871
44	1166.480	3.757	1.040	3.908
45	1170.240	3.756	1.050	3.944

PT1000 Temperature vs resistance

Tolerance class: 2B

Pt1000 TC 3750ppm

Permissible deviation : Dt = ±2(0.3°C + 0.005 • | t |)

46	1174.000	3.755	1.060	3.980
47	1177.750	3.754	1.070	4.016
48	1181.500	3.752	1.080	4.053
49	1185.250	3.751	1.090	4.089
50	1189.010	3.750	1.100	4.125
51	1192.750	3.749	1.110	4.161
52	1196.500	3.748	1.120	4.197
53	1200.250	3.746	1.130	4.233
54	1204.000	3.745	1.140	4.270
55	1207.740	3.744	1.150	4.306
56	1211.480	3.743	1.160	4.342
57	1215.230	3.742	1.170	4.378
58	1218.970	3.740	1.180	4.414
59	1222.710	3.739	1.190	4.450
60	1226.450	3.738	1.200	4.486
61	1230.180	3.737	1.210	4.521
62	1233.920	3.736	1.220	4.557
63	1237.650	3.734	1.230	4.593
64	1241.390	3.733	1.240	4.629
65	1245.120	3.732	1.250	4.665
66	1248.850	3.731	1.260	4.701
67	1252.580	3.730	1.270	4.737
68	1256.310	3.728	1.280	4.772
69	1260.040	3.727	1.290	4.808
70	1263.760	3.726	1.300	4.844
71	1267.490	3.725	1.310	4.879
72	1271.210	3.724	1.320	4.915
73	1274.940	3.722	1.330	4.951
74	1278.660	3.721	1.340	4.986
75	1282.380	3.720	1.350	5.022
76	1286.100	3.719	1.360	5.057
77	1289.820	3.718	1.370	5.093
78	1293.530	3.716	1.380	5.129
79	1297.250	3.715	1.390	5.164
80	1300.960	3.714	1.400	5.199
81	1304.680	3.713	1.410	5.235
82	1308.390	3.711	1.420	5.270
83	1312.100	3.710	1.430	5.306
84	1315.810	3.709	1.440	5.341
85	1319.520	3.708	1.450	5.376
86	1323.230	3.707	1.460	5.412
87	1326.930	3.705	1.470	5.447
88	1330.640	3.704	1.480	5.482
89	1334.340	3.703	1.490	5.518

PT1000 Temperature vs resistance

Tolerance class: 2B

Pt1000 TC 3750ppm

Permissible deviation : Dt = ±2(0.3°C + 0.005 • | t |)

90	1338.040	3.702	1.500	5.553
91	1341.740	3.701	1.510	5.588
92	1345.440	3.699	1.520	5.623
93	1349.140	3.698	1.530	5.658
94	1352.840	3.697	1.540	5.693
95	1356.540	3.696	1.550	5.729
96	1360.230	3.695	1.560	5.764
97	1363.930	3.693	1.570	5.799
98	1367.620	3.692	1.580	5.834
99	1371.310	3.691	1.590	5.869
100	1375.000	3.690	1.600	5.904
101	1378.690	3.689	1.610	5.939
102	1382.380	3.687	1.620	5.974
103	1386.070	3.686	1.630	6.009
104	1389.750	3.685	1.640	6.043
105	1393.440	3.684	1.650	6.078