

Date: MAR. 26, 2004

PB-41E PRT25930  
RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
-20.0	37.72	38.48	39.26	± 0.401
-19.0	35.90	36.60	37.32	± 0.393
-18.0	34.18	34.83	35.49	± 0.384
-17.0	32.55	33.15	33.77	± 0.376
-16.0	31.01	31.57	32.13	± 0.368
-15.0	29.55	30.06	30.59	± 0.359
-14.0	28.16	28.64	29.13	± 0.350
-13.0	26.85	27.30	27.75	± 0.342
-12.0	25.61	26.02	26.44	± 0.333
-11.0	24.44	24.82	25.20	± 0.324
-10.0	23.32	23.67	24.02	± 0.316
-9.0	22.27	22.59	22.91	± 0.307
-8.0	21.26	21.56	21.86	± 0.298
-7.0	20.31	20.58	20.86	± 0.289
-6.0	19.40	19.66	19.91	± 0.280
-5.0	18.55	18.78	19.01	± 0.271
-4.0	17.73	17.94	18.16	± 0.262
-3.0	16.95	17.15	17.35	± 0.253
-2.0	16.22	16.40	16.58	± 0.244
-1.0	15.52	15.68	15.84	± 0.235
0.0	14.85	15.00	15.15	± 0.226
1.0	14.20	14.35	14.50	± 0.238
2.0	13.59	13.74	13.89	± 0.250
3.0	13.00	13.15	13.30	± 0.262
4.0	12.45	12.59	12.74	± 0.274
5.0	11.92	12.06	12.21	± 0.287
6.0	11.41	11.56	11.71	± 0.299
7.0	10.93	11.08	11.22	± 0.311
8.0	10.48	10.62	10.76	± 0.324
9.0	10.04	10.18	10.33	± 0.336
10.0	9.625	9.765	9.907	± 0.349
11.0	9.229	9.368	9.508	± 0.361
12.0	8.852	8.989	9.128	± 0.374
13.0	8.493	8.628	8.764	± 0.386
14.0	8.150	8.283	8.417	± 0.399
15.0	7.823	7.954	8.086	± 0.412
16.0	7.510	7.639	7.770	± 0.425
17.0	7.212	7.339	7.468	± 0.438
18.0	6.928	7.052	7.179	± 0.451
19.0	6.656	6.778	6.903	± 0.464
20.0	6.396	6.517	6.639	± 0.477

$$R(0^{\circ}\text{C}) = 15 \text{ k}\Omega \pm 1 \%$$

$$B(0/100) = 3450 \text{ K} \pm 1 \%$$

Title: THERMISTOR TYPE PB-41E

Drafter

*H. Maeda*

Appr. by

*T. Watanabe*

Dwg. No.

B

1/4

SHIBAURA ELECTRONICS CO., LTD.

Ver. /

Date: MAR. 26, 2004

PB-41E

PRT25930

## RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
20.0	6.396	6.517	6.639	± 0.477
21.0	6.148	6.266	6.386	± 0.490
22.0	5.911	6.027	6.145	± 0.504
23.0	5.684	5.798	5.914	± 0.517
24.0	5.467	5.579	5.692	± 0.530
25.0	5.260	5.369	5.481	± 0.544
26.0	5.061	5.169	5.278	± 0.557
27.0	4.871	4.977	5.084	± 0.571
28.0	4.690	4.793	4.898	± 0.584
29.0	4.516	4.617	4.720	± 0.598
30.0	4.349	4.448	4.549	± 0.612
31.0	4.189	4.287	4.386	± 0.626
32.0	4.037	4.132	4.229	± 0.639
33.0	3.890	3.983	4.078	± 0.653
34.0	3.750	3.841	3.934	± 0.667
35.0	3.615	3.704	3.795	± 0.681
36.0	3.486	3.573	3.663	± 0.696
37.0	3.362	3.448	3.535	± 0.710
38.0	3.244	3.327	3.413	± 0.724
39.0	3.130	3.211	3.295	± 0.738
40.0	3.020	3.100	3.182	± 0.753
41.0	2.915	2.994	3.074	± 0.767
42.0	2.815	2.891	2.970	± 0.782
43.0	2.718	2.793	2.870	± 0.796
44.0	2.625	2.698	2.773	± 0.811
45.0	2.536	2.607	2.681	± 0.825
46.0	2.450	2.520	2.592	± 0.840
47.0	2.367	2.436	2.506	± 0.855
48.0	2.288	2.355	2.424	± 0.870
49.0	2.212	2.278	2.345	± 0.885
50.0	2.139	2.203	2.269	± 0.900
51.0	2.068	2.131	2.195	± 0.915
52.0	2.000	2.062	2.125	± 0.930
53.0	1.935	1.995	2.057	± 0.945
54.0	1.872	1.931	1.992	± 0.960
55.0	1.812	1.869	1.929	± 0.976
56.0	1.754	1.810	1.868	± 0.991
57.0	1.698	1.753	1.809	± 1.007
58.0	1.644	1.698	1.753	± 1.022
59.0	1.592	1.644	1.699	± 1.038
60.0	1.542	1.593	1.646	± 1.053

$$R(0^{\circ}\text{C}) = 15 \text{ k}\Omega \pm 1 \%$$

$$B(0/100) = 3450 \text{ K} \pm 1 \%$$

Title: THERMISTOR TYPE PB-41E

Drafter

H. Maeda

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K. Watanabe

Dwg. No.

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7/4

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PB-41E

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## RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
60.0	1.542	1.593	1.646	± 1.053
61.0	1.494	1.544	1.596	± 1.069
62.0	1.447	1.496	1.547	± 1.085
63.0	1.402	1.450	1.500	± 1.101
64.0	1.359	1.406	1.455	± 1.117
65.0	1.317	1.363	1.411	± 1.132
66.0	1.277	1.322	1.369	± 1.149
67.0	1.239	1.283	1.328	± 1.165
68.0	1.201	1.244	1.289	± 1.181
69.0	1.165	1.207	1.251	± 1.197
70.0	1.130	1.171	1.214	± 1.213
71.0	1.097	1.137	1.179	± 1.230
72.0	1.064	1.104	1.144	± 1.246
73.0	1.033	1.071	1.111	± 1.262
74.0	1.003	1.040	1.079	± 1.279
75.0	0.9734	1.010	1.049	± 1.296
76.0	0.9451	0.9813	1.019	± 1.312
77.0	0.9179	0.9533	0.9899	± 1.329
78.0	0.8915	0.9261	0.9620	± 1.346
79.0	0.8660	0.8999	0.9351	± 1.363
80.0	0.8414	0.8746	0.9090	± 1.380
81.0	0.8176	0.8501	0.8837	± 1.397
82.0	0.7946	0.8264	0.8593	± 1.414
83.0	0.7723	0.8034	0.8357	± 1.431
84.0	0.7508	0.7813	0.8129	± 1.448
85.0	0.7300	0.7598	0.7907	± 1.465
86.0	0.7098	0.7390	0.7693	± 1.483
87.0	0.6903	0.7189	0.7486	± 1.500
88.0	0.6714	0.6994	0.7285	± 1.518
89.0	0.6532	0.6806	0.7090	± 1.535
90.0	0.6355	0.6623	0.6902	± 1.553
91.0	0.6184	0.6446	0.6720	± 1.570
92.0	0.6018	0.6275	0.6543	± 1.588
93.0	0.5857	0.6109	0.6371	± 1.606
94.0	0.5702	0.5948	0.6205	± 1.624
95.0	0.5551	0.5793	0.6044	± 1.642
96.0	0.5405	0.5642	0.5888	± 1.660
97.0	0.5263	0.5495	0.5737	± 1.678
98.0	0.5126	0.5354	0.5590	± 1.696
99.0	0.4993	0.5216	0.5448	± 1.714
100.0	0.4864	0.5083	0.5310	± 1.733

$$R(0^{\circ}\text{C}) = 15 \text{ k}\Omega \pm 1 \%$$

$$B(0/100) = 3450 \text{ K} \pm 1 \%$$

THERMISTOR TYPE PB-41E

Drafter

H. Maeda

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3/4

SHIBAURA ELECTRONICS CO., LTD.

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RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
100.0	0.4864	0.5083	0.5310	± 1.733
101.0	0.4739	0.4953	0.5176	± 1.751
102.0	0.4618	0.4828	0.5046	± 1.769
103.0	0.4501	0.4706	0.4920	± 1.788
104.0	0.4387	0.4588	0.4798	± 1.806
105.0	0.4276	0.4473	0.4679	± 1.825

$$R(0^{\circ}\text{C}) = 15 \text{ k}\Omega \pm 1 \%$$

$$B(0/100) = 3450 \text{ K} \pm 1 \%$$

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*H. Maeda*

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4/9

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