

Date: MAR. 21, 2004

PT-43C

PRT25933

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
0.0	31.42	33.02	34.68	± 0.972
1.0	29.88	31.36	32.91	± 0.957
2.0	28.41	29.80	31.23	± 0.942
3.0	27.03	28.32	29.65	± 0.926
4.0	25.73	26.93	28.16	± 0.911
5.0	24.49	25.61	26.75	± 0.895
6.0	23.32	24.36	25.43	± 0.880
7.0	22.22	23.18	24.17	± 0.864
8.0	21.17	22.07	22.99	± 0.848
9.0	20.18	21.01	21.87	± 0.832
10.0	19.24	20.02	20.81	± 0.816
11.0	18.35	19.07	19.81	± 0.800
12.0	17.51	18.18	18.86	± 0.784
13.0	16.71	17.33	17.96	± 0.768
14.0	15.95	16.53	17.12	± 0.751
15.0	15.23	15.77	16.31	± 0.735
16.0	14.55	15.05	15.55	± 0.718
17.0	13.90	14.36	14.83	± 0.702
18.0	13.29	13.71	14.15	± 0.685
19.0	12.70	13.10	13.50	± 0.668
20.0	12.15	12.51	12.88	± 0.652
21.0	11.62	11.96	12.30	± 0.635
22.0	11.11	11.43	11.75	± 0.618
23.0	10.64	10.93	11.22	± 0.601
24.0	10.18	10.45	10.72	± 0.583
25.0	9.750	10.00	10.25	± 0.566
26.0	9.322	9.569	9.817	± 0.590
27.0	8.915	9.160	9.405	± 0.615
28.0	8.528	8.770	9.013	± 0.639
29.0	8.160	8.398	8.639	± 0.664
30.0	7.810	8.045	8.283	± 0.689
31.0	7.477	7.709	7.943	± 0.714
32.0	7.159	7.388	7.619	± 0.739
33.0	6.858	7.083	7.310	± 0.764
34.0	6.570	6.791	7.016	± 0.789
35.0	6.296	6.514	6.735	± 0.815
36.0	6.035	6.249	6.466	± 0.840
37.0	5.787	5.997	6.210	± 0.866
38.0	5.550	5.756	5.966	± 0.892
39.0	5.324	5.526	5.732	± 0.918
40.0	5.108	5.306	5.509	± 0.944

$$R(25^{\circ}\text{C}) = 10 \text{ k}\Omega \pm 2.5 \%$$

$$B(0/100) = 3970 \text{ K} \pm 2 \%$$

Title: THERMISTOR TYPE PT-43C

Drafter

H. Masuda

Appr. by

T. Watanabe

Dwg. No.

C

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SHIBAURA ELECTRONICS CO., LTD.

Ver. 1

Date: MAR. 26, 2004

PT-43C

PRT25933

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
40.0	5.108	5.306	5.509	± 0.944
41.0	4.902	5.097	5.296	± 0.971
42.0	4.706	4.897	5.092	± 0.997
43.0	4.519	4.705	4.897	± 1.024
44.0	4.340	4.523	4.710	± 1.050
45.0	4.169	4.348	4.532	± 1.077
46.0	4.006	4.181	4.361	± 1.104
47.0	3.850	4.021	4.198	± 1.132
48.0	3.701	3.869	4.042	± 1.159
49.0	3.558	3.723	3.892	± 1.186
50.0	3.422	3.583	3.749	± 1.214
51.0	3.292	3.449	3.612	± 1.242
52.0	3.167	3.321	3.480	± 1.269
53.0	3.048	3.198	3.354	± 1.297
54.0	2.934	3.081	3.233	± 1.326
55.0	2.824	2.968	3.117	± 1.354
56.0	2.720	2.860	3.006	± 1.382
57.0	2.619	2.757	2.900	± 1.411
58.0	2.523	2.658	2.797	± 1.440
59.0	2.431	2.563	2.699	± 1.468
60.0	2.343	2.472	2.605	± 1.497
61.0	2.259	2.384	2.515	± 1.527
62.0	2.178	2.300	2.428	± 1.556
63.0	2.100	2.220	2.345	± 1.585
64.0	2.025	2.142	2.265	± 1.615
65.0	1.954	2.068	2.188	± 1.644
66.0	1.885	1.997	2.114	± 1.674
67.0	1.819	1.929	2.043	± 1.704
68.0	1.756	1.863	1.975	± 1.734
69.0	1.696	1.800	1.909	± 1.764
70.0	1.637	1.739	1.846	± 1.795
71.0	1.581	1.681	1.785	± 1.825
72.0	1.527	1.624	1.727	± 1.856
73.0	1.476	1.571	1.670	± 1.887
74.0	1.426	1.519	1.616	± 1.918
75.0	1.378	1.469	1.564	± 1.949
76.0	1.332	1.421	1.514	± 1.980
77.0	1.288	1.374	1.466	± 2.011
78.0	1.246	1.330	1.419	± 2.043
79.0	1.205	1.287	1.374	± 2.074
80.0	1.165	1.246	1.331	± 2.106

$$R(25^{\circ}\text{C}) = 10 \text{ k}\Omega \pm 2.5 \%$$

$$B(0/100) = 3970 \text{ K} \pm 2 \%$$

Title: THERMISTOR TYPE PT-43C

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PT-43C

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RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
80.0	1.165	1.246	1.331	± 2.106
81.0	1.128	1.206	1.290	± 2.138
82.0	1.091	1.168	1.249	± 2.170
83.0	1.056	1.131	1.211	± 2.202
84.0	1.022	1.096	1.173	± 2.235
85.0	0.9897	1.061	1.138	± 2.267
86.0	0.9583	1.028	1.103	± 2.300
87.0	0.9281	0.9966	1.069	± 2.333
88.0	0.8990	0.9659	1.037	± 2.365
89.0	0.8710	0.9363	1.006	± 2.398
90.0	0.8439	0.9078	0.9759	± 2.432
91.0	0.8178	0.8803	0.9469	± 2.465
92.0	0.7927	0.8537	0.9189	± 2.498
93.0	0.7684	0.8281	0.8918	± 2.532
94.0	0.7450	0.8034	0.8657	± 2.566
95.0	0.7225	0.7795	0.8405	± 2.599
96.0	0.7007	0.7564	0.8161	± 2.633
97.0	0.6797	0.7342	0.7925	± 2.668
98.0	0.6594	0.7127	0.7698	± 2.702
99.0	0.6398	0.6919	0.7478	± 2.736
100.0	0.6209	0.6718	0.7265	± 2.771
101.0	0.6026	0.6524	0.7059	± 2.806
102.0	0.5850	0.6337	0.6860	± 2.840
103.0	0.5679	0.6156	0.6668	± 2.875
104.0	0.5515	0.5981	0.6482	± 2.910
105.0	0.5356	0.5811	0.6302	± 2.946
106.0	0.5202	0.5648	0.6128	± 2.981
107.0	0.5053	0.5489	0.5959	± 3.017
108.0	0.4909	0.5336	0.5796	± 3.052
109.0	0.4770	0.5188	0.5638	± 3.088
110.0	0.4636	0.5044	0.5485	± 3.124
111.0	0.4506	0.4905	0.5337	± 3.160
112.0	0.4380	0.4771	0.5194	± 3.196
113.0	0.4259	0.4641	0.5055	± 3.233
114.0	0.4141	0.4515	0.4920	± 3.269
115.0	0.4027	0.4393	0.4790	± 3.306
116.0	0.3917	0.4275	0.4664	± 3.343
117.0	0.3810	0.4161	0.4541	± 3.380
118.0	0.3706	0.4050	0.4423	± 3.417
119.0	0.3606	0.3943	0.4308	± 3.454
120.0	0.3509	0.3839	0.4196	± 3.491

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Date: MAR. 26, 2004

PT-43C

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RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
120.0	0.3509	0.3839	0.4196	± 3.491
121.0	0.3415	0.3738	0.4088	± 3.529
122.0	0.3324	0.3640	0.3983	± 3.566
123.0	0.3236	0.3545	0.3881	± 3.604
124.0	0.3151	0.3454	0.3783	± 3.642
125.0	0.3068	0.3365	0.3687	± 3.680
126.0	0.2988	0.3278	0.3594	± 3.718
127.0	0.2910	0.3194	0.3504	± 3.757
128.0	0.2835	0.3113	0.3417	± 3.795
129.0	0.2762	0.3034	0.3332	± 3.834
130.0	0.2691	0.2958	0.3250	± 3.873
131.0	0.2622	0.2884	0.3170	± 3.911
132.0	0.2555	0.2812	0.3092	± 3.951
133.0	0.2490	0.2742	0.3017	± 3.990
134.0	0.2428	0.2674	0.2943	± 4.029
135.0	0.2367	0.2608	0.2872	± 4.069
136.0	0.2308	0.2544	0.2803	± 4.108
137.0	0.2250	0.2482	0.2736	± 4.148
138.0	0.2194	0.2422	0.2671	± 4.188
139.0	0.2140	0.2363	0.2607	± 4.228
140.0	0.2088	0.2306	0.2546	± 4.268
141.0	0.2037	0.2251	0.2486	± 4.308
142.0	0.1987	0.2197	0.2427	± 4.349
143.0	0.1939	0.2145	0.2371	± 4.389
144.0	0.1892	0.2094	0.2316	± 4.430
145.0	0.1847	0.2045	0.2262	± 4.471
146.0	0.1803	0.1997	0.2210	± 4.512
147.0	0.1760	0.1950	0.2159	± 4.553
148.0	0.1718	0.1905	0.2110	± 4.594
149.0	0.1677	0.1860	0.2062	± 4.636
150.0	0.1638	0.1818	0.2016	± 4.677

$$R(25^{\circ}\text{C}) = 10 \text{ k}\Omega \pm 2.5 \%$$

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Title: THERMISTOR TYPE PT-43C

Drafter

H. Maeda

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SHIBAURA ELECTRONICS CO., LTD.