

Date: MAR. 26, 2004

PT-46D

PRT25929

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
-20.0	172.2	192.6	215.3	± 2.009
-19.0	162.6	181.6	202.8	± 1.999
-18.0	153.6	171.3	191.1	± 1.989
-17.0	145.1	161.7	180.2	± 1.980
-16.0	137.2	152.7	169.9	± 1.970
-15.0	129.7	144.2	160.3	± 1.960
-14.0	122.7	136.3	151.3	± 1.950
-13.0	116.2	128.8	142.9	± 1.940
-12.0	110.0	121.8	134.9	± 1.930
-11.0	104.2	115.3	127.5	± 1.919
-10.0	98.69	109.1	120.5	± 1.909
-9.0	93.54	103.3	114.0	± 1.899
-8.0	88.68	97.80	107.8	± 1.888
-7.0	84.11	92.66	102.0	± 1.878
-6.0	79.81	87.81	96.59	± 1.867
-5.0	75.75	83.25	91.47	± 1.857
-4.0	71.92	78.96	86.65	± 1.846
-3.0	68.30	74.91	82.12	± 1.835
-2.0	64.89	71.09	77.85	± 1.824
-1.0	61.67	67.49	73.83	± 1.813
0.0	58.63	64.10	70.04	± 1.794
1.0	55.75	60.88	66.45	± 1.783
2.0	53.02	57.84	63.07	± 1.772
3.0	50.44	54.97	59.88	± 1.761
4.0	48.01	52.26	56.87	± 1.750
5.0	45.70	49.70	54.03	± 1.739
6.0	43.52	47.28	51.35	± 1.728
7.0	41.46	45.00	48.81	± 1.717
8.0	39.51	42.83	46.42	± 1.706
9.0	37.66	40.79	44.16	± 1.695
10.0	35.91	38.85	42.02	± 1.683
11.0	34.25	37.02	40.00	± 1.672
12.0	32.67	35.28	38.09	± 1.660
13.0	31.18	33.64	36.28	± 1.649
14.0	29.77	32.08	34.56	± 1.637
15.0	28.42	30.61	32.94	± 1.625
16.0	27.15	29.21	31.40	± 1.614
17.0	25.94	27.88	29.95	± 1.602
18.0	24.79	26.62	28.57	± 1.590
19.0	23.70	25.42	27.26	± 1.578
20.0	22.66	24.29	26.02	± 1.566

$$R(85^{\circ}\text{C}) = 2.06 \text{ k}\Omega \pm 2 \%$$

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

Title:
THERMISTOR TYPE PT-46DDrafter
*H. Maeda*Appr. by
*T. Watanabe*Dwg. No.
C

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SHIBAURA ELECTRONICS CO., LTD.

Ver. 1

Date: MAR. 26, 2004

PT-46D

PRT25929

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
20.0	22.66	24.29	26.02	± 1.566
21.0	21.68	23.21	24.84	± 1.554
22.0	20.74	22.19	23.72	± 1.541
23.0	19.85	21.21	22.66	± 1.529
24.0	19.00	20.29	21.66	± 1.517
25.0	18.19	19.41	20.70	± 1.504
26.0	17.42	18.57	19.79	± 1.492
27.0	16.69	17.78	18.93	± 1.479
28.0	16.00	17.02	18.10	± 1.467
29.0	15.33	16.30	17.32	± 1.454
30.0	14.70	15.61	16.58	± 1.441
31.0	14.10	14.96	15.87	± 1.428
32.0	13.52	14.34	15.20	± 1.415
33.0	12.98	13.75	14.56	± 1.402
34.0	12.45	13.18	13.95	± 1.389
35.0	11.95	12.64	13.37	± 1.376
36.0	11.48	12.13	12.81	± 1.363
37.0	11.02	11.64	12.29	± 1.350
38.0	10.59	11.17	11.78	± 1.336
39.0	10.17	10.73	11.30	± 1.323
40.0	9.778	10.30	10.84	± 1.309
41.0	9.399	9.892	10.41	± 1.296
42.0	9.037	9.504	9.991	± 1.282
43.0	8.691	9.133	9.593	± 1.269
44.0	8.360	8.778	9.213	± 1.255
45.0	8.044	8.439	8.850	± 1.241
46.0	7.741	8.115	8.504	± 1.227
47.0	7.451	7.805	8.173	± 1.213
48.0	7.174	7.509	7.856	± 1.199
49.0	6.908	7.225	7.554	± 1.185
50.0	6.654	6.954	7.265	± 1.171
51.0	6.410	6.694	6.988	± 1.156
52.0	6.177	6.446	6.723	± 1.142
53.0	5.953	6.207	6.470	± 1.128
54.0	5.739	5.979	6.228	± 1.113
55.0	5.533	5.761	5.996	± 1.099
56.0	5.336	5.551	5.774	± 1.084
57.0	5.147	5.351	5.561	± 1.069
58.0	4.965	5.158	5.357	± 1.055
59.0	4.791	4.974	5.162	± 1.040
60.0	4.624	4.797	4.975	± 1.025

$$R(85^{\circ}\text{C}) = 2.06 \text{ k}\Omega \pm 2 \%$$

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

Title: THERMISTOR TYPE PT-46D

Drafter

H. Masuda

Appr. by

T. Watanuki

Dwg. No.

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SHIBAURA ELECTRONICS CO., LTD.

Date: MAR. 26, 2004

PT-46D

PRT25929

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
60.0	4.624	4.797	4.975	± 1.025
61.0	4.464	4.627	4.795	± 1.010
62.0	4.310	4.464	4.623	± 0.995
63.0	4.162	4.308	4.458	± 0.980
64.0	4.020	4.158	4.300	± 0.964
65.0	3.883	4.014	4.148	± 0.949
66.0	3.752	3.876	4.002	± 0.934
67.0	3.626	3.743	3.863	± 0.918
68.0	3.505	3.616	3.728	± 0.903
69.0	3.388	3.493	3.600	± 0.887
70.0	3.276	3.375	3.476	± 0.872
71.0	3.168	3.262	3.357	± 0.856
72.0	3.064	3.153	3.243	± 0.840
73.0	2.965	3.048	3.133	± 0.824
74.0	2.869	2.947	3.027	± 0.809
75.0	2.776	2.851	2.926	± 0.793
76.0	2.687	2.757	2.828	± 0.776
77.0	2.601	2.668	2.735	± 0.760
78.0	2.519	2.581	2.644	± 0.744
79.0	2.439	2.498	2.558	± 0.728
80.0	2.363	2.418	2.474	± 0.712
81.0	2.289	2.341	2.394	± 0.695
82.0	2.218	2.267	2.316	± 0.679
83.0	2.149	2.195	2.242	± 0.662
84.0	2.083	2.126	2.170	± 0.645
85.0	2.019	2.060	2.101	± 0.629
86.0	1.955	1.996	2.037	± 0.652
87.0	1.893	1.934	1.975	± 0.675
88.0	1.834	1.875	1.916	± 0.699
89.0	1.777	1.817	1.858	± 0.722
90.0	1.722	1.762	1.803	± 0.746
91.0	1.668	1.709	1.749	± 0.770
92.0	1.617	1.657	1.697	± 0.794
93.0	1.568	1.607	1.647	± 0.818
94.0	1.520	1.559	1.599	± 0.842
95.0	1.474	1.513	1.552	± 0.866
96.0	1.429	1.468	1.507	± 0.890
97.0	1.387	1.425	1.464	± 0.915
98.0	1.345	1.383	1.422	± 0.939
99.0	1.305	1.343	1.381	± 0.964
100.0	1.267	1.304	1.342	± 0.989

$$R(85^{\circ}\text{C}) = 2.06 \text{ k}\Omega \pm 2 \%$$

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

Title: THERMISTOR TYPE PT-46D

Drafter

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SHIBAURA ELECTRONICS CO., LTD.

Date: MAR. 26, 2004

PT-46D

PRT25929

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
100.0	1.267	1.304	1.342	± 0.989
101.0	1.229	1.266	1.304	± 1.014
102.0	1.193	1.230	1.267	± 1.039
103.0	1.159	1.195	1.232	± 1.064
104.0	1.125	1.161	1.197	± 1.089
105.0	1.093	1.128	1.164	± 1.114

$$R(85^{\circ}\text{C}) = 2.06 \text{ k}\Omega \pm 2 \%$$

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

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