

Date: MAR. 29, 2004

KTE-41

PRT25942

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
-20.0	92.57	98.86	105.5	± 1.142
-19.0	87.39	93.25	99.40	± 1.133
-18.0	82.53	87.98	93.71	± 1.124
-17.0	77.97	83.05	88.37	± 1.115
-16.0	73.70	78.42	83.38	± 1.106
-15.0	69.68	74.08	78.69	± 1.097
-14.0	65.91	70.01	74.30	± 1.087
-13.0	62.37	66.19	70.18	± 1.078
-12.0	59.03	62.60	66.32	± 1.069
-11.0	55.90	59.22	62.69	± 1.059
-10.0	52.95	56.05	59.28	± 1.050
-9.0	50.18	53.07	56.08	± 1.040
-8.0	47.57	50.27	53.07	± 1.031
-7.0	45.11	47.63	50.24	± 1.021
-6.0	42.79	45.14	47.58	± 1.011
-5.0	40.60	42.80	45.07	± 1.002
-4.0	38.54	40.59	42.72	± 0.992
-3.0	36.60	38.52	40.50	± 0.982
-2.0	34.77	36.56	38.41	± 0.972
-1.0	33.03	34.71	36.44	± 0.962
0.0	31.40	32.97	34.58	± 0.947
1.0	29.85	31.31	32.82	± 0.937
2.0	28.38	29.75	31.16	± 0.927
3.0	27.00	28.28	29.59	± 0.917
4.0	25.69	26.89	28.11	± 0.907
5.0	24.45	25.57	26.72	± 0.897
6.0	23.28	24.33	25.40	± 0.887
7.0	22.17	23.15	24.15	± 0.876
8.0	21.13	22.04	22.98	± 0.866
9.0	20.13	20.99	21.87	± 0.856
10.0	19.19	20.00	20.81	± 0.845
11.0	18.30	19.05	19.82	± 0.835
12.0	17.46	18.16	18.88	± 0.824
13.0	16.66	17.32	17.99	± 0.813
14.0	15.90	16.52	17.14	± 0.802
15.0	15.18	15.76	16.34	± 0.792
16.0	14.50	15.04	15.59	± 0.781
17.0	13.85	14.36	14.87	± 0.770
18.0	13.23	13.71	14.19	± 0.759
19.0	12.65	13.09	13.54	± 0.748
20.0	12.09	12.51	12.93	± 0.737

R(25°C) = 10 kΩ ± 3 %

B(25/50) = 3950 K ± 1.5 %

Title: THERMISTOR TYPE KTE-41

Drafter

H. maeda

Appr. by

T. Watanabe

Dwg. No. K3950

1/3

SHIBAURA ELECTRONICS CO., LTD.

Ver.1

Date: MAR. 29, 2004

KTE-41

PRT25942

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
20.0	12.09	12.51	12.93	± 0.737
21.0	11.56	11.95	12.35	± 0.726
22.0	11.06	11.43	11.79	± 0.714
23.0	10.59	10.93	11.27	± 0.703
24.0	10.13	10.45	10.77	± 0.692
25.0	9.700	10.00	10.30	± 0.680
26.0	9.277	9.570	9.864	± 0.700
27.0	8.874	9.161	9.448	± 0.720
28.0	8.491	8.771	9.052	± 0.740
29.0	8.127	8.401	8.675	± 0.760
30.0	7.781	8.048	8.316	± 0.780
31.0	7.451	7.712	7.974	± 0.800
32.0	7.137	7.391	7.648	± 0.821
33.0	6.838	7.086	7.337	± 0.841
34.0	6.553	6.795	7.040	± 0.862
35.0	6.282	6.518	6.757	± 0.882
36.0	6.023	6.253	6.487	± 0.903
37.0	5.777	6.001	6.229	± 0.924
38.0	5.541	5.760	5.983	± 0.945
39.0	5.317	5.531	5.748	± 0.966
40.0	5.103	5.311	5.523	± 0.988
41.0	4.899	5.102	5.308	± 1.009
42.0	4.704	4.902	5.103	± 1.030
43.0	4.518	4.711	4.907	± 1.052
44.0	4.340	4.528	4.720	± 1.074
45.0	4.170	4.353	4.540	± 1.095
46.0	4.008	4.186	4.369	± 1.117
47.0	3.853	4.027	4.205	± 1.139
48.0	3.705	3.874	4.048	± 1.161
49.0	3.563	3.728	3.897	± 1.183
50.0	3.427	3.588	3.753	± 1.206
51.0	3.298	3.454	3.615	± 1.228
52.0	3.174	3.326	3.483	± 1.251
53.0	3.055	3.204	3.356	± 1.273
54.0	2.941	3.086	3.235	± 1.296
55.0	2.832	2.973	3.119	± 1.319
56.0	2.728	2.865	3.007	± 1.342
57.0	2.628	2.762	2.900	± 1.365
58.0	2.532	2.663	2.798	± 1.388
59.0	2.441	2.568	2.699	± 1.411
60.0	2.353	2.477	2.605	± 1.434

$$R(25^{\circ}\text{C}) = 10 \text{ k}\Omega \pm 3 \%$$

$$B(25/50) = 3950 \text{ K} \pm 1.5 \%$$

Title THERMISTOR TYPE KTE-41

Drafter

H. Maeda

Appr. by

T. Watanabe

Dwg No

R8980

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SHIBAURA ELECTRONICS CO., LTD.

Date: MAR 29, 2004

KTE-41

PRT25942

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp. Accy °C
60.0	2.353	2.477	2.605	± 1.434
61.0	2.268	2.389	2.514	± 1.458
62.0	2.187	2.305	2.427	± 1.481
63.0	2.110	2.225	2.343	± 1.505
64.0	2.035	2.147	2.263	± 1.529
65.0	1.964	2.073	2.186	± 1.553
66.0	1.895	2.002	2.112	± 1.577
67.0	1.830	1.933	2.041	± 1.601
68.0	1.767	1.867	1.972	± 1.625
69.0	1.706	1.804	1.906	± 1.649
70.0	1.648	1.743	1.843	± 1.674
71.0	1.592	1.685	1.782	± 1.698
72.0	1.538	1.629	1.724	± 1.723
73.0	1.486	1.575	1.667	± 1.747
74.0	1.436	1.523	1.613	± 1.772
75.0	1.388	1.473	1.561	± 1.797
76.0	1.342	1.425	1.511	± 1.822
77.0	1.298	1.378	1.462	± 1.847
78.0	1.256	1.334	1.416	± 1.873
79.0	1.215	1.291	1.371	± 1.898
80.0	1.175	1.250	1.328	± 1.923

$$R(25^{\circ}\text{C}) = 10 \text{ k}\Omega \pm 3 \%$$

$$B(25/50) = 3950 \text{ K} \pm 1.5 \%$$

THERMISTOR TYPE KTE-41

Drafter

H. Maeda

Appr. by

J. Wakamori

DWG No

002900

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SHIBAURA ELECTRONICS CO., LTD.