

AL T E R A T I O N R E C O R D

Revised No.	Date	Revised Page No.	Note	Drafter	Appr. by
1 st	JAN. 30. 2002		Original drafted KP仕 20443	R. Hattori	<i>J. Watanuki</i>
2 nd					
3 rd					
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9 th					
10th					
11th					

Title:
THERMISTOR TYPE PT3-25E2-W1

Drafter
R. Hattori

Appr. by
J. Watanuki

Dwg. No. 0/2
TE21299

S P E C I F I C A T I O N

THERMISTOR, TYPE PT3-25E2-W1

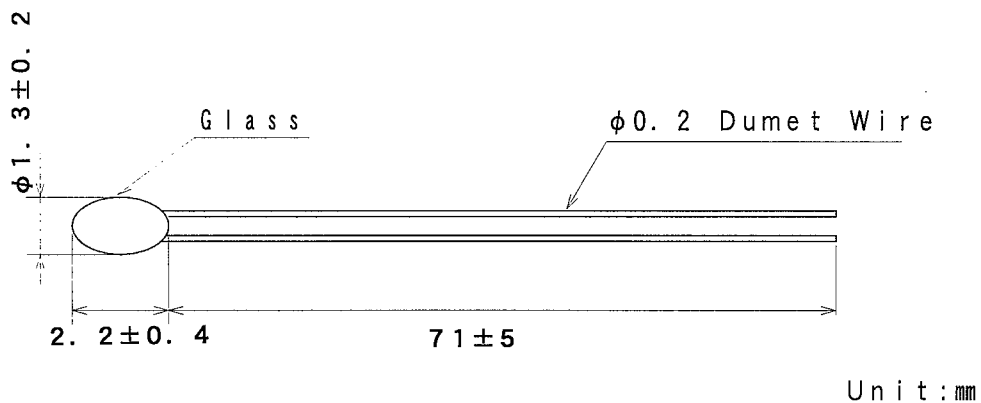
1. Scope

This specification deals with shape, dimensions, characteristics, inspection standard etc. of type PT3-25E2-W1 used for barbecue fork.

2. Specifications

2. 1 Element : Thermistor, type PSB-S3

2. 2 Shape and dimensions



2. 3 Characteristics

(1) Electrical characteristics

(a) Resistance value : $R = 98.63 \text{ k}\Omega \pm 2\%$ (at 25°C)(b) B value : $B = 4066 \text{ K} \pm 2\%$
(calculated from resistance value at 25°C and 85°C)(c) Insulation resistance 10M Ω or over by DC50V megger
(between glass and lead wire)(2) Thermal time constant (τ) : $\tau = 3.5 \sim 6.5 \text{ s}$ (in still air)(3) Thermal dissipation constant (δ) : $\delta = 0.7 \sim 0.9 \text{ mW}/^\circ\text{C}$ (in still air)

(4) Operating temperature range : -50 ~ +300 °C

Title: THERMISTOR TYPE PT3-25E2-W1	Drafter R. Hattori	Appr. by T. Watanabe	Dwg. No. 1/2 TE21299 ver. 1
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3. Outgoing Inspection

- (1) The product shall be inspected at every delivery lot inspection items, sampling quantities and sampling acceptable standard are as follows.

Inspection Item	Sampling acceptable Standard	Remarks
Resistance value	n=20, Ac=0, Re=1	2. 3 (1) (a)
B-value	n=10, Ac=0, Re=1	2. 3 (1) (b)
Insulation Resistance	n=5, Ac=0, Re=1	2. 3 (1) (c)
Shape & dimensions	n=5, Ac=0, Re=1	2. 2
Appearance	n=5, Ac=0, Re=1	2. 2

(2) Inspection data

Inspection data will be issued for pay upon request.

4. Packing

Packing shall be done not to cause damage or soil during delivery.

Title: THERMISTOR TYPE PT3-25E2-W1	Drafter R. Hattori	Appr. by <i>J. Watanabe</i>	Dwg. No. 2/2 TE21299 ver. 1
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Date: JUL 15, 2002

PT3-25E2 PRT25241
RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAccy %
-50.0	6054	6771	7569	±11.789
-49.0	5647	6306	7037	±11.608
-48.0	5271	5875	6547	±11.428
-47.0	4921	5477	6094	±11.250
-46.0	4598	5109	5675	±11.074
-45.0	4297	4767	5287	±10.900
-44.0	4018	4451	4929	±10.728
-43.0	3759	4158	4597	±10.557
-42.0	3519	3886	4289	±10.388
-41.0	3295	3633	4004	±10.221
-40.0	3087	3399	3740	±10.056
-39.0	2893	3181	3495	± 9.892
-38.0	2713	2978	3268	± 9.730
-37.0	2545	2790	3057	± 9.569
-36.0	2389	2614	2860	± 9.410
-35.0	2243	2451	2678	± 9.253
-34.0	2107	2299	2508	± 9.097
-33.0	1980	2158	2350	± 8.942
-32.0	1861	2026	2204	± 8.790
-31.0	1750	1902	2067	± 8.638
-30.0	1647	1788	1939	± 8.488
-29.0	1550	1680	1820	± 8.340
-28.0	1460	1580	1710	± 8.193
-27.0	1375	1487	1606	± 8.047
-26.0	1296	1399	1510	± 7.903
-25.0	1222	1317	1420	± 7.760
-24.0	1153	1241	1335	± 7.618
-23.0	1087	1169	1257	± 7.478
-22.0	1026	1102	1183	± 7.339
-21.0	969.2	1039	1114	± 7.201
-20.0	915.5	980.5	1050	± 7.064
-19.0	865.0	925.4	989.5	± 6.929
-18.0	817.7	873.6	933.0	± 6.795
-17.0	773.2	825.1	880.1	± 6.662
-16.0	731.5	779.5	830.4	± 6.531
-15.0	692.2	736.8	783.9	± 6.400
-14.0	655.2	696.6	740.3	± 6.271
-13.0	620.5	658.9	699.3	± 6.143
-12.0	587.8	623.4	660.9	± 6.016
-11.0	557.0	590.0	624.8	± 5.890
-10.0	528.0	558.6	590.8	± 5.765

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title: THERMISTOR TYPE PT3-25E2

Drafter

H. Maeda

Appr. by

T. Watanuki

Dwg. No.

D

1/9

SHIBAURA ELECTRONICS CO., LTD.

Ver./

Date: JUL 15, 2002

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Resi Accy %
-10.0	528.0	558.6	590.8	± 5.765
-9.0	500.6	529.1	558.9	± 5.642
-8.0	474.9	501.3	529.0	± 5.519
-7.0	450.6	475.1	500.8	± 5.398
-6.0	427.7	450.4	474.2	± 5.277
-5.0	406.1	427.2	449.2	± 5.158
-4.0	385.7	405.3	425.7	± 5.039
-3.0	366.4	384.6	403.6	± 4.922
-2.0	348.3	365.1	382.7	± 4.805
-1.0	331.1	346.8	363.0	± 4.690
0.0	314.9	329.4	344.5	± 4.576
1.0	299.3	312.7	326.7	± 4.462
2.0	284.5	297.0	309.9	± 4.350
3.0	270.6	282.2	294.2	± 4.238
4.0	257.5	268.2	279.3	± 4.127
5.0	245.0	255.0	265.2	± 4.017
6.0	233.2	242.5	251.9	± 3.909
7.0	222.1	230.6	239.4	± 3.801
8.0	211.6	219.5	227.6	± 3.693
9.0	201.6	208.9	216.4	± 3.587
10.0	192.1	198.9	205.8	± 3.482
11.0	183.2	189.4	195.8	± 3.377
12.0	174.7	180.5	186.4	± 3.274
13.0	166.6	172.0	177.4	± 3.171
14.0	159.0	163.9	169.0	± 3.069
15.0	151.8	156.3	161.0	± 2.967
16.0	144.9	149.1	153.4	± 2.867
17.0	138.4	142.3	146.2	± 2.767
18.0	132.2	135.8	139.4	± 2.668
19.0	126.3	129.6	132.9	± 2.570
20.0	120.7	123.7	126.8	± 2.473
21.0	115.4	118.2	121.0	± 2.376
22.0	110.4	112.9	115.5	± 2.281
23.0	105.6	107.9	110.3	± 2.185
24.0	101.0	103.2	105.3	± 2.091
25.0	96.66	98.63	100.6	± 1.997
26.0	92.36	94.33	96.30	± 2.090
27.0	88.28	90.24	92.21	± 2.183
28.0	84.39	86.35	88.31	± 2.275
29.0	80.70	82.65	84.60	± 2.366
30.0	77.20	79.12	81.07	± 2.457

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2

Drafter

H. Maeda

Appr. by

J. Watanabe

Dwg. No.

D

2/9

SHIBAURA ELECTRONICS CO., LTD.

Date: *JUL. 15, 2002*

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAccy %
30.0	77.20	79.12	81.07	± 2.457
31.0	73.86	75.77	77.70	± 2.548
32.0	70.68	72.58	74.49	± 2.638
33.0	67.66	69.53	71.43	± 2.727
34.0	64.78	66.63	68.51	± 2.816
35.0	62.04	63.87	65.73	± 2.904
36.0	59.44	61.24	63.07	± 2.992
37.0	56.95	58.73	60.54	± 3.079
38.0	54.58	56.33	58.12	± 3.166
39.0	52.32	54.05	55.81	± 3.253
40.0	50.17	51.87	53.60	± 3.339
41.0	48.12	49.79	51.49	± 3.424
42.0	46.16	47.80	49.48	± 3.509
43.0	44.29	45.91	47.55	± 3.594
44.0	42.51	44.09	45.72	± 3.678
45.0	40.81	42.36	43.96	± 3.761
46.0	39.19	40.71	42.27	± 3.844
47.0	37.63	39.13	40.66	± 3.927
48.0	36.15	37.62	39.12	± 4.009
49.0	34.74	36.17	37.65	± 4.091
50.0	33.38	34.79	36.24	± 4.172
51.0	32.09	33.47	34.89	± 4.253
52.0	30.85	32.20	33.60	± 4.334
53.0	29.67	30.99	32.36	± 4.414
54.0	28.54	29.83	31.17	± 4.493
55.0	27.45	28.72	30.03	± 4.573
56.0	26.42	27.66	28.94	± 4.651
57.0	25.42	26.64	27.90	± 4.730
58.0	24.48	25.66	26.90	± 4.808
59.0	23.57	24.73	25.93	± 4.885
60.0	22.69	23.83	25.01	± 4.962
61.0	21.86	22.97	24.13	± 5.039
62.0	21.06	22.15	23.28	± 5.115
63.0	20.29	21.35	22.46	± 5.191
64.0	19.56	20.60	21.68	± 5.267
65.0	18.85	19.87	20.93	± 5.342
66.0	18.18	19.17	20.21	± 5.417
67.0	17.53	18.50	19.51	± 5.491
68.0	16.91	17.86	18.85	± 5.565
69.0	16.31	17.24	18.21	± 5.638
70.0	15.74	16.64	17.59	± 5.712

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2

Drafter

H. Maeda

Appr. by

T. Watanuki

Dwg. No.

D

3/9

SHIBAURA ELECTRONICS CO., LTD.

Date: JUL. 15, 2002

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAccy %
70.0	15.74	16.64	17.59	± 5.712
71.0	15.19	16.07	17.00	± 5.784
72.0	14.66	15.52	16.43	± 5.857
73.0	14.15	15.00	15.89	± 5.929
74.0	13.66	14.49	15.36	± 6.001
75.0	13.20	14.00	14.85	± 6.072
76.0	12.75	13.54	14.37	± 6.143
77.0	12.31	13.09	13.90	± 6.214
78.0	11.90	12.65	13.45	± 6.284
79.0	11.50	12.24	13.01	± 6.354
80.0	11.12	11.83	12.59	± 6.423
81.0	10.75	11.45	12.19	± 6.493
82.0	10.39	11.08	11.80	± 6.561
83.0	10.05	10.72	11.43	± 6.630
84.0	9.719	10.37	11.07	± 6.698
85.0	9.402	10.04	10.72	± 6.766
86.0	9.097	9.722	10.39	± 6.834
87.0	8.803	9.414	10.06	± 6.901
88.0	8.520	9.117	9.753	± 6.968
89.0	8.248	8.831	9.453	± 7.034
90.0	7.985	8.556	9.163	± 7.100
91.0	7.732	8.290	8.884	± 7.166
92.0	7.488	8.033	8.614	± 7.232
93.0	7.254	7.786	8.354	± 7.297
94.0	7.027	7.547	8.103	± 7.362
95.0	6.809	7.317	7.861	± 7.427
96.0	6.598	7.095	7.627	± 7.491
97.0	6.395	6.881	7.401	± 7.555
98.0	6.199	6.674	7.183	± 7.619
99.0	6.010	6.474	6.972	± 7.682
100.0	5.828	6.282	6.768	± 7.745
101.0	5.652	6.095	6.571	± 7.808
102.0	5.482	5.916	6.381	± 7.870
103.0	5.318	5.742	6.197	± 7.932
104.0	5.159	5.574	6.020	± 7.994
105.0	5.006	5.412	5.848	± 8.056
106.0	4.859	5.255	5.682	± 8.117
107.0	4.716	5.104	5.521	± 8.178
108.0	4.578	4.957	5.366	± 8.239
109.0	4.445	4.816	5.215	± 8.299
110.0	4.316	4.679	5.070	± 8.360

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2

Drafter

H. Maeda

Appr. by

J. Nakamura

Dwg. No.

D

4/9

SHIBAURA ELECTRONICS CO., LTD.

Date: JUL. 15, 2002

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAccy %
110.0	4.316	4.679	5.070	± 8.360
111.0	4.192	4.546	4.929	± 8.419
112.0	4.071	4.418	4.793	± 8.479
113.0	3.955	4.294	4.661	± 8.538
114.0	3.842	4.174	4.533	± 8.597
115.0	3.734	4.058	4.410	± 8.656
116.0	3.628	3.946	4.290	± 8.715
117.0	3.527	3.837	4.174	± 8.773
118.0	3.428	3.732	4.062	± 8.831
119.0	3.333	3.630	3.953	± 8.889
120.0	3.240	3.532	3.848	± 8.946
121.0	3.151	3.436	3.746	± 9.003
122.0	3.065	3.344	3.647	± 9.060
123.0	2.981	3.254	3.551	± 9.117
124.0	2.900	3.167	3.458	± 9.173
125.0	2.821	3.083	3.368	± 9.229
126.0	2.745	3.002	3.280	± 9.285
127.0	2.672	2.922	3.195	± 9.341
128.0	2.600	2.846	3.113	± 9.396
129.0	2.531	2.772	3.034	± 9.452
130.0	2.464	2.700	2.956	± 9.507
131.0	2.399	2.630	2.881	± 9.561
132.0	2.336	2.562	2.808	± 9.616
133.0	2.275	2.496	2.738	± 9.670
134.0	2.216	2.432	2.669	± 9.724
135.0	2.159	2.371	2.602	± 9.777
136.0	2.103	2.311	2.538	± 9.831
137.0	2.049	2.252	2.475	± 9.884
138.0	1.997	2.196	2.414	± 9.937
139.0	1.946	2.141	2.355	± 9.990
140.0	1.896	2.088	2.297	±10.042
141.0	1.849	2.036	2.241	±10.095
142.0	1.802	1.986	2.187	±10.147
143.0	1.757	1.937	2.134	±10.199
144.0	1.713	1.890	2.083	±10.250
145.0	1.671	1.844	2.033	±10.302
146.0	1.629	1.799	1.985	±10.353
147.0	1.589	1.755	1.938	±10.404
148.0	1.550	1.713	1.892	±10.455
149.0	1.513	1.672	1.848	±10.505
150.0	1.476	1.632	1.805	±10.556

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2Drafter
H. MaedaAppr. by
T. WatanukiDwg. No.
D

5/9

Date: JUL. 18, 2002

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Resi Accy %
150.0	1.476	1.632	1.805	±10.556
151.0	1.440	1.594	1.763	±10.606
152.0	1.405	1.556	1.722	±10.656
153.0	1.372	1.519	1.682	±10.705
154.0	1.339	1.484	1.643	±10.755
155.0	1.307	1.449	1.605	±10.804
156.0	1.276	1.415	1.569	±10.853
157.0	1.246	1.382	1.533	±10.902
158.0	1.217	1.351	1.498	±10.950
159.0	1.188	1.320	1.465	±10.999
160.0	1.161	1.289	1.432	±11.047
161.0	1.134	1.260	1.400	±11.095
162.0	1.108	1.231	1.369	±11.143
163.0	1.082	1.204	1.338	±11.191
164.0	1.057	1.177	1.309	±11.238
165.0	1.033	1.150	1.280	±11.285
166.0	1.010	1.125	1.252	±11.332
167.0	0.9868	1.100	1.225	±11.379
168.0	0.9646	1.075	1.198	±11.426
169.0	0.9429	1.052	1.172	±11.472
170.0	0.9218	1.028	1.147	±11.519
171.0	0.9013	1.006	1.122	±11.565
172.0	0.8813	0.9841	1.098	±11.611
173.0	0.8619	0.9627	1.075	±11.656
174.0	0.8429	0.9419	1.052	±11.702
175.0	0.8244	0.9217	1.030	±11.747
176.0	0.8064	0.9019	1.008	±11.792
177.0	0.7889	0.8827	0.9871	±11.837
178.0	0.7718	0.8639	0.9666	±11.882
179.0	0.7552	0.8456	0.9465	±11.927
180.0	0.7390	0.8278	0.9269	±11.971
181.0	0.7232	0.8104	0.9078	±12.015
182.0	0.7078	0.7934	0.8891	±12.059
183.0	0.6928	0.7769	0.8709	±12.103
184.0	0.6781	0.7608	0.8532	±12.147
185.0	0.6638	0.7451	0.8359	±12.191
186.0	0.6499	0.7297	0.8190	±12.234
187.0	0.6364	0.7148	0.8025	±12.277
188.0	0.6231	0.7002	0.7864	±12.320
189.0	0.6102	0.6859	0.7707	±12.363
190.0	0.5976	0.6720	0.7554	±12.406

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2

Drafter

K. Maeda

Appr. by

T. Watanuki

Dwg. No.

D

6/9

SHIBAURA ELECTRONICS CO., LTD.

Date: *JVL 15, 2002*

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAcy %
190.0	0.5976	0.6720	0.7554	±12.406
191.0	0.5853	0.6584	0.7404	±12.448
192.0	0.5733	0.6452	0.7258	±12.491
193.0	0.5616	0.6323	0.7115	±12.533
194.0	0.5502	0.6197	0.6976	±12.575
195.0	0.5391	0.6073	0.6840	±12.617
196.0	0.5282	0.5953	0.6707	±12.658
197.0	0.5176	0.5836	0.6577	±12.700
198.0	0.5073	0.5721	0.6450	±12.741
199.0	0.4971	0.5609	0.6326	±12.783
200.0	0.4873	0.5500	0.6205	±12.824
201.0	0.4776	0.5393	0.6087	±12.865
202.0	0.4682	0.5289	0.5971	±12.905
203.0	0.4590	0.5187	0.5858	±12.946
204.0	0.4501	0.5087	0.5748	±12.986
205.0	0.4413	0.4990	0.5640	±13.027
206.0	0.4327	0.4895	0.5534	±13.067
207.0	0.4244	0.4802	0.5431	±13.107
208.0	0.4162	0.4711	0.5330	±13.147
209.0	0.4082	0.4622	0.5232	±13.186
210.0	0.4004	0.4536	0.5136	±13.226
211.0	0.3928	0.4451	0.5041	±13.265
212.0	0.3854	0.4368	0.4949	±13.304
213.0	0.3781	0.4287	0.4859	±13.343
214.0	0.3710	0.4208	0.4771	±13.382
215.0	0.3640	0.4130	0.4685	±13.421
216.0	0.3572	0.4054	0.4600	±13.460
217.0	0.3506	0.3980	0.4518	±13.498
218.0	0.3441	0.3908	0.4437	±13.537
219.0	0.3377	0.3837	0.4358	±13.575
220.0	0.3315	0.3768	0.4280	±13.613
221.0	0.3254	0.3700	0.4205	±13.651
222.0	0.3195	0.3633	0.4131	±13.689
223.0	0.3137	0.3568	0.4058	±13.726
224.0	0.3080	0.3505	0.3987	±13.764
225.0	0.3024	0.3443	0.3918	±13.801
226.0	0.2970	0.3382	0.3850	±13.838
227.0	0.2916	0.3322	0.3783	±13.875
228.0	0.2864	0.3264	0.3718	±13.912
229.0	0.2813	0.3207	0.3654	±13.949
230.0	0.2763	0.3151	0.3592	±13.986

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2Drafter
*H. Maeda*Appr. by
*T. Watanuki*Dwg. No.
D*7/9*

Date: JUL. 15, 2002

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAccy %
230.0	0.2763	0.3151	0.3592	±13.986
231.0	0.2715	0.3096	0.3531	±14.022
232.0	0.2667	0.3043	0.3471	±14.059
233.0	0.2620	0.2990	0.3412	±14.095
234.0	0.2574	0.2939	0.3354	±14.131
235.0	0.2529	0.2889	0.3298	±14.167
236.0	0.2486	0.2840	0.3243	±14.203
237.0	0.2443	0.2791	0.3189	±14.239
238.0	0.2400	0.2744	0.3136	±14.274
239.0	0.2359	0.2698	0.3084	±14.310
240.0	0.2319	0.2653	0.3033	±14.345
241.0	0.2279	0.2608	0.2983	±14.381
242.0	0.2241	0.2565	0.2935	±14.416
243.0	0.2203	0.2522	0.2887	±14.451
244.0	0.2166	0.2480	0.2840	±14.486
245.0	0.2129	0.2439	0.2794	±14.520
246.0	0.2094	0.2399	0.2749	±14.555
247.0	0.2059	0.2360	0.2704	±14.589
248.0	0.2025	0.2322	0.2661	±14.624
249.0	0.1991	0.2284	0.2619	±14.658
250.0	0.1958	0.2247	0.2577	±14.692
251.0	0.1926	0.2211	0.2536	±14.726
252.0	0.1894	0.2175	0.2496	±14.760
253.0	0.1864	0.2140	0.2457	±14.794
254.0	0.1833	0.2106	0.2418	±14.828
255.0	0.1804	0.2072	0.2380	±14.861
256.0	0.1774	0.2040	0.2343	±14.895
257.0	0.1746	0.2007	0.2307	±14.928
258.0	0.1718	0.1976	0.2271	±14.961
259.0	0.1690	0.1945	0.2236	±14.994
260.0	0.1664	0.1914	0.2202	±15.027
261.0	0.1637	0.1884	0.2168	±15.060
262.0	0.1611	0.1855	0.2135	±15.093
263.0	0.1586	0.1826	0.2103	±15.125
264.0	0.1561	0.1798	0.2071	±15.158
265.0	0.1537	0.1771	0.2040	±15.190
266.0	0.1513	0.1743	0.2009	±15.223
267.0	0.1489	0.1717	0.1979	±15.255
268.0	0.1466	0.1691	0.1949	±15.287
269.0	0.1443	0.1665	0.1920	±15.319
270.0	0.1421	0.1640	0.1892	±15.351

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2

Drafter

H. Murota

Appr. by

T. Natanuki

Dwg. No.

D

8/9

SHIBAURA ELECTRONICS CO., LTD.

Date: JUL. 11, 2002

PT3-25E2

PRT25241

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	ResiAccy %
270.0	0.1421	0.1640	0.1892	±15.351
271.0	0.1399	0.1615	0.1864	±15.382
272.0	0.1378	0.1591	0.1836	±15.414
273.0	0.1357	0.1567	0.1809	±15.446
274.0	0.1336	0.1544	0.1783	±15.477
275.0	0.1316	0.1521	0.1757	±15.508
276.0	0.1296	0.1499	0.1731	±15.539
277.0	0.1277	0.1476	0.1706	±15.571
278.0	0.1258	0.1455	0.1682	±15.602
279.0	0.1239	0.1433	0.1657	±15.632
280.0	0.1221	0.1412	0.1634	±15.663
281.0	0.1203	0.1392	0.1610	±15.694
282.0	0.1185	0.1372	0.1587	±15.725
283.0	0.1167	0.1352	0.1565	±15.755
284.0	0.1150	0.1332	0.1543	±15.785
285.0	0.1134	0.1313	0.1521	±15.816
286.0	0.1117	0.1295	0.1500	±15.846
287.0	0.1101	0.1276	0.1479	±15.876
288.0	0.1085	0.1258	0.1458	±15.906
289.0	0.1069	0.1240	0.1438	±15.936
290.0	0.1054	0.1223	0.1418	±15.966
291.0	0.1039	0.1205	0.1398	±15.995
292.0	0.1024	0.1189	0.1379	±16.025
293.0	0.1009	0.1172	0.1360	±16.054
294.0	0.0995	0.1156	0.1342	±16.084
295.0	0.0981	0.1140	0.1323	±16.113
296.0	0.0967	0.1124	0.1305	±16.142
297.0	0.0954	0.1108	0.1288	±16.171
298.0	0.0940	0.1093	0.1270	±16.200
299.0	0.0927	0.1078	0.1253	±16.229
300.0	0.0914	0.1063	0.1236	±16.258

$$R(25^{\circ}\text{C}) = 98.63 \text{ k}\Omega \pm 2 \%$$

$$B(25/85) = 4066 \text{ K} \pm 2 \%$$

Title:
THERMISTOR TYPE PT3-25E2

Drafter

H. Maeda

Appr. by

T. Watanabe

Dwg. No.

D

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