Date: Jan. 11, 2007

ALTERATION RECORD

Revised No.	Date	Revised Page No.	Note	Drafter	Appr. by
1 st	Jan.11.2007		Original drafted KP仕21063	A.Shimoda	T-Takahashi
2 nd					
3 rd					
4 th					
5 th					
6 th					
7 th					
8 th					
9 th					
10th					
11th					

Title: THERMISTOR TYPE PT3-51F-K14	Drafter A.Shimoda	Appr. by T-Takahashi	Dwg. No. 0/2 TE22068

SHIBAURA ELECTRONICS CO.,LTD.

Date: Jan. 11. 2007

SPECIFICATION

THERMISTOR, TYPE PT3-51F-K14

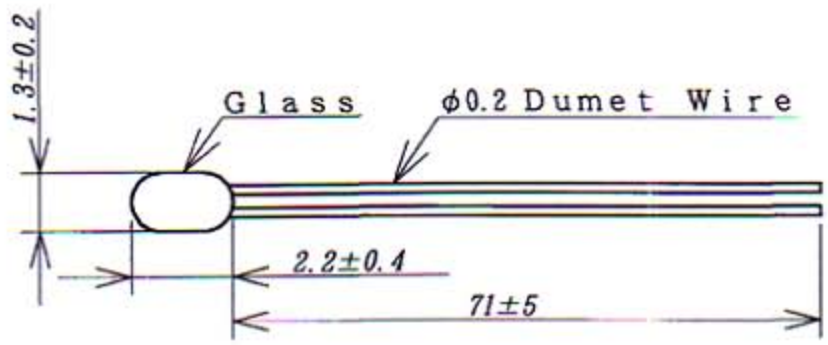
1. Scope

This specification sheet defines the shape, dimensions, characteristics, inspection standards and other standards of PT3-51F-K14 used for rice cooker.

2. Specifications

2. 1 Element : Thermistor, type PSB-S3

2. 2 Shape and dimensions



Unit:mm

2. 3 Characteristics

(1) Electrical characteristics

(a) Resistance value : R = 3.3 kΩ ± 2.5 % (at 100℃)

(b) B value : B = 3970 K ± 2 %
(calculated from resistance value at 0℃ and 100℃)

(c) Insulation resistance 10MΩ or over by DC50V megger
(between glass and lead wire)

(2) Thermal time constant (τ): τ = 3.5 ~ 6.5 s (in still air)

(3) Thermal dissipation constant (δ): δ = 0.7 ~ 0.9 mW/℃ (in still air)

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

Title: THERMISTOR TYPE PT3-51F-K14	Drafter A. Shimoda	Appr. by T. Takahashi	Dwg. No. 1/2 TE22068 ver. 1

3. Outgoing Inspection

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

Inspection Item	Admission criteria	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 to avoid any damage or soil during the delivery.

Title: THERMISTOR TYPE PT3-51F-K14	Drafter A. Shimoda	Appr. by T. Takahashi	Dwg. No. 2/2 TE22068 ver. 1

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
-50.0	2951	3491	4128	± 2.489
-49.0	2748	3246	3832	± 2.483
-48.0	2560	3019	3558	± 2.477
-47.0	2386	2809	3306	± 2.470
-46.0	2225	2616	3074	± 2.464
-45.0	2076	2437	2860	± 2.457
-44.0	1938	2272	2662	± 2.450
-43.0	1810	2119	2479	± 2.444
-42.0	1692	1977	2309	± 2.437
-41.0	1582	1846	2153	± 2.430
-40.0	1480	1724	2008	± 2.423
-39.0	1385	1612	1874	± 2.416
-38.0	1297	1507	1750	± 2.409
-37.0	1215	1410	1635	± 2.402
-36.0	1139	1320	1528	± 2.395
-35.0	1068	1236	1429	± 2.388
-34.0	1002	1158	1337	± 2.380
-33.0	940.6	1085	1251	± 2.373
-32.0	883.3	1018	1172	± 2.366
-31.0	829.8	954.8	1098	± 2.358
-30.0	779.9	896.2	1029	± 2.351
-29.0	733.4	841.6	965.1	± 2.343
-28.0	689.9	790.7	905.5	± 2.336
-27.0	649.3	743.1	850.0	± 2.328
-26.0	611.4	698.8	798.2	± 2.320
-25.0	575.9	657.4	749.9	± 2.312
-24.0	542.7	618.7	704.9	± 2.304
-23.0	511.6	582.5	662.8	± 2.296
-22.0	482.5	548.6	623.5	± 2.288
-21.0	455.2	517.0	586.8	± 2.280
-20.0	429.7	487.4	552.5	± 2.272
-19.0	405.7	459.6	520.4	± 2.264
-18.0	383.2	433.6	490.4	± 2.256
-17.0	362.2	409.3	462.3	± 2.247
-16.0	342.4	386.5	436.0	± 2.239
-15.0	323.8	365.0	411.3	± 2.231
-14.0	306.3	344.9	388.2	± 2.222
-13.0	289.9	326.1	366.5	± 2.213
-12.0	274.5	308.4	346.2	± 2.205
-11.0	260.0	291.7	327.1	± 2.196
-10.0	246.3	276.1	309.2	± 2.187

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	J. Watanabe	T. Watanuki	C	1/9

SHIBAURA ELECTRONICS CO., LTD. Ver.1

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
-10.0	246.3	276.1	309.2	± 2.187
-9.0	233.4	261.4	292.4	± 2.179
-8.0	221.3	247.5	276.6	± 2.170
-7.0	209.9	234.5	261.8	± 2.161
-6.0	199.2	222.2	247.8	± 2.152
-5.0	189.0	210.7	234.7	± 2.143
-4.0	179.5	199.8	222.3	± 2.134
-3.0	170.5	189.6	210.7	± 2.124
-2.0	161.9	179.9	199.8	± 2.115
-1.0	153.9	170.8	189.4	± 2.106
0.0	146.3	162.2	179.7	± 2.086
1.0	139.1	154.1	170.5	± 2.077
2.0	132.3	146.4	161.8	± 2.068
3.0	125.9	139.1	153.6	± 2.059
4.0	119.8	132.3	145.9	± 2.049
5.0	114.1	125.8	138.6	± 2.040
6.0	108.6	119.7	131.7	± 2.030
7.0	103.5	113.9	125.2	± 2.021
8.0	98.60	108.4	119.1	± 2.011
9.0	93.98	103.2	113.3	± 2.002
10.0	89.61	98.32	107.8	± 1.992
11.0	85.47	93.68	102.6	± 1.982
12.0	81.54	89.29	97.72	± 1.973
13.0	77.82	85.13	93.08	± 1.963
14.0	74.29	81.19	88.68	± 1.953
15.0	70.93	77.45	84.52	± 1.943
16.0	67.75	73.91	80.58	± 1.933
17.0	64.74	70.55	76.84	± 1.922
18.0	61.87	67.36	73.30	± 1.912
19.0	59.14	64.34	69.94	± 1.902
20.0	56.56	61.47	66.76	± 1.891
21.0	54.10	58.74	63.74	± 1.881
22.0	51.76	56.15	60.87	± 1.871
23.0	49.53	53.68	58.15	± 1.860
24.0	47.42	51.34	55.56	± 1.849
25.0	45.40	49.12	53.11	± 1.839
26.0	43.49	47.00	50.78	± 1.828
27.0	41.66	44.99	48.56	± 1.817
28.0	39.92	43.08	46.45	± 1.806
29.0	38.27	41.25	44.45	± 1.795
30.0	36.69	39.52	42.54	± 1.784

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	T. Watanabe	T. Watanabe	C	2/9

SHIBAURA ELECTRONICS CO., LTD. Ver.1

Date: Oct, 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
30.0	36.69	39.52	42.54	± 1.784
31.0	35.18	37.86	40.72	± 1.773
32.0	33.75	36.29	39.00	± 1.762
33.0	32.38	34.79	37.35	± 1.751
34.0	31.08	33.36	35.79	± 1.739
35.0	29.83	32.00	34.30	± 1.728
36.0	28.64	30.70	32.88	± 1.717
37.0	27.51	29.46	31.52	± 1.705
38.0	26.43	28.27	30.23	± 1.694
39.0	25.39	27.14	29.00	± 1.682
40.0	24.40	26.06	27.82	± 1.670
41.0	23.46	25.04	26.70	± 1.658
42.0	22.55	24.05	25.63	± 1.647
43.0	21.69	23.11	24.61	± 1.635
44.0	20.86	22.22	23.64	± 1.623
45.0	20.07	21.36	22.71	± 1.611
46.0	19.32	20.54	21.82	± 1.599
47.0	18.60	19.75	20.97	± 1.586
48.0	17.90	19.00	20.16	± 1.574
49.0	17.24	18.29	19.38	± 1.562
50.0	16.61	17.60	18.64	± 1.550
51.0	16.00	16.94	17.93	± 1.537
52.0	15.41	16.31	17.25	± 1.525
53.0	14.86	15.71	16.60	± 1.512
54.0	14.32	15.13	15.98	± 1.499
55.0	13.81	14.58	15.38	± 1.487
56.0	13.32	14.05	14.81	± 1.474
57.0	12.84	13.54	14.27	± 1.461
58.0	12.39	13.05	13.75	± 1.448
59.0	11.96	12.59	13.24	± 1.435
60.0	11.54	12.14	12.76	± 1.422
61.0	11.14	11.71	12.30	± 1.409
62.0	10.76	11.30	11.86	± 1.396
63.0	10.39	10.90	11.44	± 1.383
64.0	10.03	10.52	11.03	± 1.369
65.0	9.691	10.16	10.64	± 1.356
66.0	9.363	9.809	10.27	± 1.343
67.0	9.049	9.473	9.911	± 1.329
68.0	8.746	9.150	9.566	± 1.316
69.0	8.455	8.840	9.236	± 1.302
70.0	8.176	8.541	8.918	± 1.288

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	Y. Watanabe	T. Matsuoki	C	3/9

SHIBAURA ELECTRONICS CO., LTD.

Ver.1

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
70.0	8.176	8.541	8.918	± 1.288
71.0	7.907	8.255	8.613	± 1.275
72.0	7.648	7.979	8.320	± 1.261
73.0	7.399	7.714	8.038	± 1.247
74.0	7.159	7.459	7.768	± 1.233
75.0	6.928	7.214	7.507	± 1.219
76.0	6.706	6.978	7.257	± 1.205
77.0	6.492	6.751	7.016	± 1.191
78.0	6.286	6.533	6.785	± 1.176
79.0	6.088	6.322	6.562	± 1.162
80.0	5.896	6.120	6.348	± 1.148
81.0	5.712	5.925	6.142	± 1.133
82.0	5.534	5.737	5.943	± 1.119
83.0	5.363	5.556	5.752	± 1.104
84.0	5.198	5.381	5.568	± 1.090
85.0	5.039	5.213	5.391	± 1.075
86.0	4.885	5.051	5.220	± 1.060
87.0	4.737	4.895	5.055	± 1.045
88.0	4.594	4.744	4.897	± 1.030
89.0	4.456	4.599	4.744	± 1.015
90.0	4.323	4.459	4.597	± 1.000
91.0	4.194	4.324	4.455	± 0.985
92.0	4.070	4.193	4.318	± 0.970
93.0	3.950	4.068	4.186	± 0.955
94.0	3.835	3.946	4.058	± 0.939
95.0	3.723	3.829	3.935	± 0.924
96.0	3.615	3.716	3.817	± 0.909
97.0	3.511	3.606	3.702	± 0.893
98.0	3.410	3.501	3.592	± 0.878
99.0	3.312	3.399	3.485	± 0.862
100.0	3.218	3.300	3.382	± 0.846
101.0	3.123	3.205	3.286	± 0.870
102.0	3.032	3.113	3.194	± 0.895
103.0	2.944	3.024	3.104	± 0.919
104.0	2.858	2.938	3.017	± 0.943
105.0	2.776	2.854	2.934	± 0.968
106.0	2.696	2.774	2.853	± 0.993
107.0	2.619	2.696	2.774	± 1.017
108.0	2.544	2.621	2.698	± 1.042
109.0	2.472	2.548	2.625	± 1.067
110.0	2.403	2.478	2.553	± 1.092

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	T. Watanabe	T. Watanuki	C	4/9

Ver.1

SHIBAURA ELECTRONICS CO., LTD.

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
110.0	2.403	2.478	2.553	± 1.092
111.0	2.335	2.410	2.485	± 1.118
112.0	2.270	2.344	2.418	± 1.143
113.0	2.207	2.280	2.353	± 1.168
114.0	2.146	2.218	2.290	± 1.194
115.0	2.087	2.158	2.230	± 1.220
116.0	2.030	2.100	2.171	± 1.245
117.0	1.975	2.044	2.114	± 1.271
118.0	1.921	1.989	2.059	± 1.297
119.0	1.869	1.937	2.005	± 1.323
120.0	1.819	1.886	1.953	± 1.350
121.0	1.770	1.836	1.903	± 1.376
122.0	1.723	1.788	1.854	± 1.402
123.0	1.677	1.741	1.807	± 1.429
124.0	1.633	1.696	1.761	± 1.456
125.0	1.590	1.653	1.716	± 1.483
126.0	1.549	1.610	1.673	± 1.509
127.0	1.508	1.569	1.631	± 1.536
128.0	1.469	1.529	1.591	± 1.564
129.0	1.431	1.490	1.551	± 1.591
130.0	1.395	1.453	1.513	± 1.618
131.0	1.359	1.416	1.476	± 1.646
132.0	1.324	1.381	1.439	± 1.673
133.0	1.291	1.347	1.404	± 1.701
134.0	1.258	1.313	1.370	± 1.729
135.0	1.227	1.281	1.337	± 1.756
136.0	1.196	1.250	1.305	± 1.784
137.0	1.166	1.219	1.274	± 1.813
138.0	1.137	1.189	1.243	± 1.841
139.0	1.109	1.161	1.214	± 1.869
140.0	1.082	1.133	1.185	± 1.898
141.0	1.056	1.106	1.157	± 1.926
142.0	1.030	1.079	1.130	± 1.955
143.0	1.005	1.053	1.104	± 1.984
144.0	0.9807	1.029	1.078	± 2.012
145.0	0.9572	1.004	1.053	± 2.042
146.0	0.9343	0.9807	1.029	± 2.071
147.0	0.9120	0.9578	1.005	± 2.100
148.0	0.8904	0.9355	0.9823	± 2.129
149.0	0.8694	0.9139	0.9600	± 2.159
150.0	0.8490	0.8928	0.9383	± 2.188

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	T. Watanabe	T. Watanuki	C	5/9

SHIBAURA ELECTRONICS CO., LTD. Ver.1

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
150.0	0.8490	0.8928	0.9383	± 2.188
151.0	0.8291	0.8723	0.9171	± 2.218
152.0	0.8098	0.8523	0.8966	± 2.248
153.0	0.7910	0.8329	0.8765	± 2.278
154.0	0.7728	0.8141	0.8570	± 2.308
155.0	0.7550	0.7957	0.8381	± 2.338
156.0	0.7377	0.7778	0.8196	± 2.368
157.0	0.7209	0.7604	0.8016	± 2.398
158.0	0.7045	0.7435	0.7841	± 2.429
159.0	0.6886	0.7270	0.7670	± 2.459
160.0	0.6731	0.7109	0.7504	± 2.490
161.0	0.6580	0.6953	0.7342	± 2.521
162.0	0.6433	0.6801	0.7184	± 2.552
163.0	0.6291	0.6652	0.7030	± 2.583
164.0	0.6151	0.6508	0.6880	± 2.614
165.0	0.6016	0.6367	0.6734	± 2.645
166.0	0.5884	0.6230	0.6592	± 2.677
167.0	0.5755	0.6096	0.6453	± 2.708
168.0	0.5630	0.5966	0.6318	± 2.740
169.0	0.5508	0.5839	0.6186	± 2.772
170.0	0.5389	0.5716	0.6058	± 2.803
171.0	0.5273	0.5595	0.5932	± 2.835
172.0	0.5161	0.5477	0.5810	± 2.867
173.0	0.5051	0.5363	0.5691	± 2.900
174.0	0.4944	0.5251	0.5575	± 2.932
175.0	0.4839	0.5142	0.5461	± 2.964
176.0	0.4737	0.5036	0.5350	± 2.997
177.0	0.4638	0.4932	0.5242	± 3.029
178.0	0.4541	0.4831	0.5137	± 3.062
179.0	0.4447	0.4733	0.5034	± 3.095
180.0	0.4355	0.4637	0.4934	± 3.128
181.0	0.4265	0.4543	0.4836	± 3.161
182.0	0.4177	0.4451	0.4740	± 3.194
183.0	0.4092	0.4362	0.4647	± 3.227
184.0	0.4009	0.4275	0.4556	± 3.261
185.0	0.3927	0.4190	0.4467	± 3.294
186.0	0.3848	0.4107	0.4380	± 3.328
187.0	0.3771	0.4025	0.4295	± 3.362
188.0	0.3695	0.3946	0.4212	± 3.396
189.0	0.3621	0.3869	0.4131	± 3.430
190.0	0.3549	0.3793	0.4052	± 3.464

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	T. Watanabe	T. Shibata	C	6/9

SHIBAURA ELECTRONICS CO., LTD. Ver.1

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
190.0	0.3549	0.3793	0.4052	± 3.464
191.0	0.3479	0.3720	0.3975	± 3.498
192.0	0.3411	0.3648	0.3899	± 3.532
193.0	0.3344	0.3577	0.3825	± 3.567
194.0	0.3278	0.3509	0.3753	± 3.601
195.0	0.3214	0.3442	0.3683	± 3.636
196.0	0.3152	0.3376	0.3614	± 3.671
197.0	0.3091	0.3312	0.3547	± 3.706
198.0	0.3032	0.3249	0.3481	± 3.741
199.0	0.2973	0.3188	0.3417	± 3.776
200.0	0.2917	0.3128	0.3354	± 3.811
201.0	0.2861	0.3070	0.3292	± 3.847
202.0	0.2807	0.3013	0.3232	± 3.882
203.0	0.2754	0.2957	0.3173	± 3.918
204.0	0.2702	0.2903	0.3116	± 3.953
205.0	0.2652	0.2849	0.3060	± 3.989
206.0	0.2602	0.2797	0.3005	± 4.025
207.0	0.2554	0.2746	0.2951	± 4.061
208.0	0.2506	0.2696	0.2898	± 4.097
209.0	0.2460	0.2647	0.2847	± 4.134
210.0	0.2415	0.2600	0.2796	± 4.170
211.0	0.2371	0.2553	0.2747	± 4.207
212.0	0.2328	0.2507	0.2699	± 4.243
213.0	0.2285	0.2463	0.2652	± 4.280
214.0	0.2244	0.2419	0.2606	± 4.317
215.0	0.2204	0.2376	0.2560	± 4.354
216.0	0.2164	0.2334	0.2516	± 4.391
217.0	0.2126	0.2293	0.2473	± 4.428
218.0	0.2088	0.2253	0.2430	± 4.466
219.0	0.2051	0.2214	0.2389	± 4.503
220.0	0.2014	0.2176	0.2348	± 4.541
221.0	0.1979	0.2138	0.2308	± 4.578
222.0	0.1944	0.2101	0.2269	± 4.616
223.0	0.1910	0.2065	0.2231	± 4.654
224.0	0.1877	0.2030	0.2194	± 4.692
225.0	0.1844	0.1995	0.2157	± 4.730
226.0	0.1813	0.1961	0.2121	± 4.769
227.0	0.1781	0.1928	0.2086	± 4.807
228.0	0.1751	0.1896	0.2051	± 4.846
229.0	0.1721	0.1864	0.2018	± 4.884
230.0	0.1692	0.1833	0.1985	± 4.923

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	S. Watanabe	T. Watanuki	C	7/9

SHIBAURA ELECTRONICS CO., LTD. Ver.1

Date: Oct. 22, 2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
230.0	0.1692	0.1833	0.1985	± 4.923
231.0	0.1663	0.1802	0.1952	± 4.962
232.0	0.1635	0.1773	0.1920	± 5.001
233.0	0.1607	0.1743	0.1889	± 5.040
234.0	0.1581	0.1715	0.1859	± 5.079
235.0	0.1554	0.1686	0.1829	± 5.118
236.0	0.1528	0.1659	0.1800	± 5.158
237.0	0.1503	0.1632	0.1771	± 5.197
238.0	0.1478	0.1605	0.1743	± 5.237
239.0	0.1454	0.1580	0.1715	± 5.277
240.0	0.1430	0.1554	0.1688	± 5.317
241.0	0.1407	0.1529	0.1661	± 5.357
242.0	0.1384	0.1505	0.1635	± 5.397
243.0	0.1361	0.1481	0.1610	± 5.438
244.0	0.1339	0.1457	0.1585	± 5.478
245.0	0.1318	0.1434	0.1560	± 5.518
246.0	0.1297	0.1412	0.1536	± 5.559
247.0	0.1276	0.1390	0.1512	± 5.600
248.0	0.1256	0.1368	0.1489	± 5.641
249.0	0.1236	0.1347	0.1466	± 5.682
250.0	0.1216	0.1326	0.1444	± 5.723
251.0	0.1197	0.1305	0.1422	± 5.764
252.0	0.1178	0.1285	0.1401	± 5.806
253.0	0.1160	0.1265	0.1380	± 5.847
254.0	0.1142	0.1246	0.1359	± 5.889
255.0	0.1124	0.1227	0.1339	± 5.930
256.0	0.1107	0.1208	0.1319	± 5.972
257.0	0.1090	0.1190	0.1299	± 6.014
258.0	0.1073	0.1172	0.1280	± 6.056
259.0	0.1057	0.1155	0.1261	± 6.099
260.0	0.1040	0.1137	0.1242	± 6.141
261.0	0.1025	0.1120	0.1224	± 6.183
262.0	0.1009	0.1104	0.1206	± 6.226
263.0	0.0994	0.1087	0.1189	± 6.269
264.0	0.0979	0.1071	0.1172	± 6.312
265.0	0.0964	0.1056	0.1155	± 6.355
266.0	0.0950	0.1040	0.1138	± 6.398
267.0	0.0936	0.1025	0.1122	± 6.441
268.0	0.0922	0.1010	0.1106	± 6.484
269.0	0.0908	0.0995	0.1090	± 6.528
270.0	0.0895	0.0981	0.1075	± 6.571

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafter	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	Y. Watanabe	T. Watanuki	C	8/9

SHIBAURA ELECTRONICS CO., LTD.

Ver.1

Date: Oct.22,2007

PT3-51F PRT24911-1

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ	Temp.Accy ℃
270.0	0.0895	0.0981	0.1075	± 6.571
271.0	0.0882	0.0967	0.1059	± 6.615
272.0	0.0869	0.0953	0.1044	± 6.659
273.0	0.0856	0.0939	0.1030	± 6.703
274.0	0.0844	0.0926	0.1015	± 6.747
275.0	0.0832	0.0913	0.1001	± 6.791
276.0	0.0820	0.0900	0.0987	± 6.835
277.0	0.0808	0.0887	0.0974	± 6.880
278.0	0.0796	0.0875	0.0960	± 6.924
279.0	0.0785	0.0863	0.0947	± 6.969
280.0	0.0774	0.0851	0.0934	± 7.014
281.0	0.0763	0.0839	0.0921	± 7.059
282.0	0.0752	0.0827	0.0909	± 7.104
283.0	0.0742	0.0816	0.0897	± 7.149
284.0	0.0731	0.0804	0.0884	± 7.194
285.0	0.0721	0.0793	0.0873	± 7.240
286.0	0.0711	0.0783	0.0861	± 7.285
287.0	0.0701	0.0772	0.0849	± 7.331
288.0	0.0691	0.0761	0.0838	± 7.377
289.0	0.0682	0.0751	0.0827	± 7.422
290.0	0.0673	0.0741	0.0816	± 7.468
291.0	0.0663	0.0731	0.0805	± 7.515
292.0	0.0654	0.0721	0.0795	± 7.561
293.0	0.0645	0.0712	0.0784	± 7.607
294.0	0.0637	0.0702	0.0774	± 7.654
295.0	0.0628	0.0693	0.0764	± 7.701
296.0	0.0620	0.0684	0.0754	± 7.747
297.0	0.0611	0.0675	0.0744	± 7.794
298.0	0.0603	0.0666	0.0735	± 7.841
299.0	0.0595	0.0657	0.0725	± 7.888
300.0	0.0587	0.0649	0.0716	± 7.936

R(100°C)= 3.300 kΩ ± 2.5 %

B(0/100)= 3970 K ± 2.0 %

Title:	Drafted	Appr. by	Dwg. No.	
THERMISTOR TYPE PT3-51F	Y. Watanabe	T. Watanuki	C	9/9

SHIBAURA ELECTRONICS CO, LTD.

Ver.1