

Date: OCT. 1, 2003

PM9-342

PRT25614

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ
-40.0	54535	76080	105872
-39.0	50690	70527	97882
-38.0	47140	65415	90546
-37.0	43863	60706	83807
-36.0	40834	56367	77614
-35.0	38033	52365	71918
-34.0	35443	48674	66676
-33.0	33045	45266	61850
-32.0	30825	42118	57404
-31.0	28768	39209	53306
-30.0	26862	36520	49526
-29.0	25093	34031	46038
-28.0	23452	31728	42818
-27.0	21929	29595	39843
-26.0	20514	27619	37093
-25.0	19199	25787	34550
-24.0	17976	24088	32197
-23.0	16839	22511	30019
-22.0	15781	21047	28002
-21.0	14795	19688	26132
-20.0	13878	18424	24399
-19.0	13022	17249	22792
-18.0	12225	16157	21300
-17.0	11481	15140	19915
-16.0	10787	14193	18628
-15.0	10139	13311	17432
-14.0	9534	12489	16320
-13.0	8969	11723	15286
-12.0	8440	11009	14323
-11.0	7946	10342	13427
-10.0	7483	9719	12592
-9.0	7051	9138	11814
-8.0	6645	8595	11088
-7.0	6266	8087	10412
-6.0	5910	7612	9780
-5.0	5577	7168	9191
-4.0	5264	6753	8641
-3.0	4971	6364	8126
-2.0	4695	5999	7646
-1.0	4437	5658	7196
0.0	4194	5338	6776

$$R(150^{\circ}\text{C}) = 13.80 \text{ k}\Omega \pm 5 \%$$

$$B(100/200) = 4875 \text{ K} \pm 3 \%$$

Title:
THERMISTOR TYPE PM9-342Drafter
H. MaedaAppr. by
T. NakamuraDwg. No.
F

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SHIBAURA ELECTRONICS CO., LTD.

Ver.1

Date: OCT. 17, 2003

PM9-342

PRT25614

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ
0.0	4194	5338	6776
1.0	3966	5037	6382
2.0	3752	4756	6014
3.0	3550	4492	5669
4.0	3360	4244	5346
5.0	3182	4011	5043
6.0	3014	3792	4758
7.0	2856	3586	4492
8.0	2707	3393	4242
9.0	2566	3211	4007
10.0	2434	3040	3787
11.0	2309	2879	3579
12.0	2192	2727	3385
13.0	2081	2584	3202
14.0	1976	2450	3030
15.0	1877	2323	2868
16.0	1783	2203	2716
17.0	1695	2091	2572
18.0	1612	1984	2437
19.0	1533	1884	2310
20.0	1458	1789	2190
21.0	1388	1700	2077
22.0	1321	1615	1970
23.0	1258	1535	1870
24.0	1198	1460	1775
25.0	1141	1389	1685
26.0	1087	1321	1601
27.0	1037	1257	1521
28.0	988.3	1197	1445
29.0	942.6	1140	1374
30.0	899.2	1085	1307
31.0	858.1	1034	1243
32.0	819.0	985.4	1183
33.0	781.9	939.3	1126
34.0	746.7	895.6	1072
35.0	713.3	854.2	1020
36.0	681.5	814.9	971.9
37.0	651.3	777.6	926.0
38.0	622.6	742.2	882.5
39.0	595.3	708.6	841.3
40.0	569.4	676.7	802.2

$$R(150^{\circ}\text{C}) = 13.80 \text{ k}\Omega \pm 5 \%$$

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Title:
THERMISTOR TYPE PM9-342Drafter
H. MaedaAppr. by
T. WatanabeDwg. No.
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SHIBAURA ELECTRONICS CO., LTD.

Date: OCT. 1, 2003

PM9-342

PRT25614

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ
40.0	569.4	676.7	802.2
41.0	544.7	646.4	765.2
42.0	521.2	617.6	730.0
43.0	498.8	590.2	696.6
44.0	477.5	564.2	665.0
45.0	457.2	539.5	634.9
46.0	437.9	515.9	606.3
47.0	419.5	493.5	579.2
48.0	402.0	472.2	553.4
49.0	385.3	452.0	528.9
50.0	369.3	432.7	505.6
51.0	354.1	414.3	483.4
52.0	339.6	396.8	462.4
53.0	325.8	380.1	442.3
54.0	312.6	364.2	423.2
55.0	300.0	349.0	405.0
56.0	288.0	334.6	387.7
57.0	276.5	320.8	371.3
58.0	265.5	307.6	355.6
59.0	255.0	295.1	340.6
60.0	245.0	283.1	326.4
61.0	235.4	271.7	312.8
62.0	226.3	260.8	299.8
63.0	217.5	250.4	287.5
64.0	209.1	240.4	275.7
65.0	201.1	230.9	264.4
66.0	193.4	221.8	253.7
67.0	186.1	213.1	243.5
68.0	179.1	204.8	233.7
69.0	172.3	196.9	224.3
70.0	165.9	189.3	215.4
71.0	159.7	182.0	206.9
72.0	153.8	175.0	198.7
73.0	148.1	168.4	190.9
74.0	142.7	162.0	183.5
75.0	137.5	155.9	176.4
76.0	132.5	150.1	169.5
77.0	127.7	144.5	163.0
78.0	123.1	139.1	156.8
79.0	118.7	134.0	150.8
80.0	114.5	129.0	145.1

$$R(150^{\circ}\text{C}) = 13.80 \text{ k}\Omega \pm 5 \%$$

$$B(100/200) = 4875 \text{ K} \pm 3 \%$$

Title:
THERMISTOR TYPE PM9-342

Drafter

H. Maeda

Appr. by

T. Watanabe

Dwg. No.

F

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SHIBAURA ELECTRONICS CO., LTD.

Date: OCT. 1, 2003

PM9-342

PRT25614

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ
80.0	114.5	129.0	145.1
81.0	110.4	124.3	139.6
82.0	106.5	119.8	134.4
83.0	102.8	115.4	129.4
84.0	99.18	111.3	124.6
85.0	95.73	107.3	119.9
86.0	92.41	103.5	115.5
87.0	89.23	99.78	111.3
88.0	86.17	96.25	107.2
89.0	83.22	92.85	103.3
90.0	80.39	89.60	99.61
91.0	77.67	86.47	96.02
92.0	75.06	83.47	92.59
93.0	72.54	80.58	89.29
94.0	70.12	77.81	86.12
95.0	67.79	75.14	83.08
96.0	65.55	72.58	80.16
97.0	63.39	70.12	77.36
98.0	61.32	67.75	74.66
99.0	59.32	65.47	72.08
100.0	57.39	63.28	69.59
101.0	55.54	61.17	67.20
102.0	53.75	59.14	64.90
103.0	52.03	57.18	62.69
104.0	50.37	55.30	60.57
105.0	48.77	53.49	58.53
106.0	47.23	51.75	56.56
107.0	45.75	50.07	54.67
108.0	44.31	48.46	52.85
109.0	42.93	46.90	51.10
110.0	41.60	45.40	49.42
111.0	40.31	43.95	47.80
112.0	39.07	42.56	46.23
113.0	37.88	41.21	44.73
114.0	36.72	39.92	43.28
115.0	35.61	38.67	41.89
116.0	34.53	37.46	40.54
117.0	33.49	36.30	39.24
118.0	32.49	35.18	38.00
119.0	31.52	34.10	36.79
120.0	30.58	33.05	35.63

$$R(150^{\circ}\text{C}) = 13.80 \text{ k}\Omega \pm 5 \%$$

$$B(100/200) = 4875 \text{ K} \pm 3 \%$$

Title:
THERMISTOR TYPE PM9-342Drafted
*S. Maeda*Appr. by
*T. Watanabe*Dwg. No.
F

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SHIBAURA ELECTRONICS CO., LTD.

Date: OCT-1, 2003

PM9-342

PRT25614

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ
120.0	30.58	33.05	35.63
121.0	29.68	32.04	34.51
122.0	28.80	31.07	33.43
123.0	27.96	30.13	32.39
124.0	27.14	29.22	31.39
125.0	26.35	28.35	30.42
126.0	25.59	27.50	29.48
127.0	24.85	26.68	28.58
128.0	24.14	25.90	27.71
129.0	23.45	25.13	26.87
130.0	22.78	24.39	26.06
131.0	22.14	23.68	25.27
132.0	21.51	22.99	24.52
133.0	20.91	22.33	23.79
134.0	20.32	21.68	23.08
135.0	19.75	21.06	22.40
136.0	19.21	20.46	21.74
137.0	18.68	19.88	21.10
138.0	18.16	19.31	20.48
139.0	17.66	18.77	19.89
140.0	17.18	18.24	19.31
141.0	16.71	17.73	18.75
142.0	16.26	17.23	18.22
143.0	15.82	16.75	17.69
144.0	15.40	16.29	17.19
145.0	14.99	15.84	16.70
146.0	14.59	15.41	16.23
147.0	14.20	14.99	15.77
148.0	13.83	14.58	15.33
149.0	13.46	14.18	14.90
150.0	13.11	13.80	14.49
151.0	12.75	13.43	14.11
152.0	12.40	13.07	13.75
153.0	12.06	12.72	13.39
154.0	11.73	12.38	13.04
155.0	11.41	12.06	12.71
156.0	11.10	11.74	12.38
157.0	10.80	11.43	12.07
158.0	10.51	11.13	11.76
159.0	10.23	10.84	11.47
160.0	9.952	10.56	11.18

$$R(150^{\circ}\text{C}) = 13.80 \text{ k}\Omega \pm 5 \%$$

$$B(100/200) = 4875 \text{ K} \pm 3 \%$$

Title:
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*H. Maeda*Appr. by
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SHIBAURA ELECTRONICS CO., LTD.

Date: OCT. 1, 2003

PM9-342

PRT25614

RESISTANCE-TEMPERATURE CHARACTERISTICS

TEMP. °C	MINIMUM kΩ	NOMINAL kΩ	MAXIMUM kΩ
160.0	9.952	10.56	11.18
161.0	9.688	10.29	10.90
162.0	9.431	10.02	10.62
163.0	9.183	9.766	10.36
164.0	8.941	9.517	10.10
165.0	8.707	9.275	9.854
166.0	8.481	9.040	9.612
167.0	8.260	8.812	9.377
168.0	8.047	8.591	9.148
169.0	7.840	8.376	8.926
170.0	7.638	8.167	8.710
171.0	7.443	7.964	8.500
172.0	7.254	7.767	8.296
173.0	7.070	7.576	8.098
174.0	6.891	7.390	7.905
175.0	6.718	7.209	7.717
176.0	6.550	7.034	7.535
177.0	6.386	6.863	7.357
178.0	6.227	6.697	7.185
179.0	6.073	6.536	7.017
180.0	5.923	6.379	6.853
181.0	5.778	6.227	6.694
182.0	5.636	6.079	6.540
183.0	5.499	5.935	6.389
184.0	5.365	5.794	6.243
185.0	5.235	5.658	6.100
186.0	5.109	5.525	5.961
187.0	4.986	5.396	5.826
188.0	4.867	5.271	5.694
189.0	4.751	5.149	5.566
190.0	4.638	5.030	5.441
191.0	4.528	4.914	5.320
192.0	4.421	4.802	5.202
193.0	4.318	4.692	5.086
194.0	4.217	4.585	4.974
195.0	4.118	4.481	4.864
196.0	4.023	4.380	4.758
197.0	3.929	4.282	4.654
198.0	3.839	4.186	4.553
199.0	3.751	4.092	4.454
200.0	3.665	4.001	4.358

$$R(150^{\circ}\text{C}) = 13.80 \text{ k}\Omega \pm 5 \%$$

$$B(100/200) = 4875 \text{ K} \pm 3 \%$$

Title:
THERMISTOR TYPE PM9-342Drafter
*H. Maeda*Appr. by
*T. Watanabe*Dwg. No.
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SHIBAURA ELECTRONICS CO., LTD.