NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3E681J [T,B]

RESISTANCE(at25℃)	680 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3200 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.086E+004	1.251E+004	1.436E+004
-39	1.029E+004	1.182E+004	1.356E+004
-38	9.749E+003	1.119E+004	1.280E+004
-37	9.242E+003	1.059E+004	1.210E+004
-36	8.766E+003	1.002E+004	1.143E+004
-35	8.318E+003	9.495E+003	1.081E+004
-34	7.895E+003	8.998E+003	1.023E+004
-33	7.498E+003	8.530E+003	9.681E+003
-32	7.123E+003	8.090E+003	9.167E+003
-31	6.769E+003	7.676E+003	8.683E+003
-30	6.435E+003	7.286E+003	8.228E+003
-29	6.121E+003	6.918E+003	7.800E+003
-28	5.823E+003	6.572E+003	7.398E+003
-27	5.543E+003	6.245E+003	7.019E+003
-26	5.278E+003	5.937E+003	6.662E+003
-25	5.027E+003	5.646E+003	6.326E+003
-24	4.790E+003	5.371E+003	6.009E+003
-23	4.565E+003	5.112E+003	5.710E+003
-22	4.353E+003	4.867E+003	5.428E+003
-21	4.152E+003	4.635E+003	5.161E+003
-20	3.962E+003	4.416E+003	4.910E+003
-19	3.781E+003	4.209E+003	4.672E+003
-18	3.610E+003	4.012E+003	4.448E+003
-17	3.448E+003	3.826E+003	4.236E+003
-16	3.294E+003	3.651E+003	4.035E+003
-15	3.149E+003	3.484E+003	3.845E+003
-14	3.010E+003	3.326E+003	3.666E+003
-13	2.879E+003	3.176E+003	3.496E+003
-12	2.754E+003	3.034E+003	3.335E+003
-11	2.636E+003	2.900E+003	3.182E+003
-10	2.523E+003	2.772E+003	3.038E+003
-9	2.416E+003	2.651E+003	2.901E+003
-8	2.315E+003	2.536E+003	2.772E+003
-7	2.218E+003	2.427E+003	2.649E+003
-6	2.126E+003	2.323E+003	2.532E+003
-5	2.038E+003	2.224E+003	2.421E+003
-4	1.954E+003	2.130E+003	2.315E+003
-3	1.874E+003	2.040E+003	2.215E+003
-2	1.798E+003	1.955E+003	2.119E+003
-1	1.726E+003	1.873E+003	2.029E+003
0	1.657E+003	1.796E+003	1.942E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.657E+003	1.796E+003	1.942E+003
1	1.591E+003	1.722E+003	1.860E+003
2	1.528E+003	1.652E+003	1.782E+003
3	1.468E+003	1.585E+003	1.707E+003
4	1.410E+003	1.521E+003	1.637E+003
5	1.355E+003	1.460E+003	1.569E+003
6	1.303E+003	1.402E+003	1.505E+003
7	1.253E+003	1.347E+003	1.443E+003
8	1.205E+003	1.294E+003	1.385E+003
9	1.160E+003	1.243E+003	1.329E+003
10	1.116E+003	1.195E+003	1.276E+003
11	1.074E+003	1.149E+003	1.226E+003
12	1.034E+003	1.105E+003	1.177E+003
13	9.962E+002	1.063E+003	1.131E+003
14	9.597E+002	1.023E+003	1.087E+003
15	9.247E+002	9.843E+002	1.045E+003
16	8.912E+002	9.475E+002	1.005E+003
17	8.591E+002	9.124E+002	9.665E+002
18	8.284E+002	8.787E+002	9.298E+002
19	7.989E+002	8.465E+002	8.948E+002
20	7.707E+002	8.157E+002	8.612E+002
21	7.436E+002	7.862E+002	8.291E+002
22	7.177E+002	7.579E+002	7.984E+002
23	6.928E+002	7.308E+002	7.690E+002
24	6.689E+002	7.049E+002	7.409E+002
25	6.460E+002	6.800E+002	7.140E+002
26	6.227E+002	6.561E+002	6.897E+002
27	6.003E+002	6.333E+002	6.664E+002
28	5.789E+002	6.113E+002	6.440E+002
29	5.584E+002	5.903E+002	6.224E+002
30	5.387E+002	5.701E+002	6.018E+002
31	5.199E+002	5.507E+002	5.819E+002
32	5.018E+002	5.321E+002	5.628E+002
33	4.844E+002	5.142E+002	5.445E+002
34	4.677E+002	4.970E+002	5.268E+002
35	4.518E+002	4.805E+002	5.099E+002
36	4.364E+002	4.647E+002	4.935E+002
37	4.217E+002	4.494E+002	4.778E+002
38	4.075E+002	4.348E+002	4.627E+002
39	3.939E+002	4.207E+002	4.481E+002
40	3.808E+002	4.071E+002	4.341E+002

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	3.808E+002	4.071E+002	4.341E+002
41	3.683E+002	3.941E+002	4.206E+002
42	3.562E+002	3.815E+002	4.076E+002
43	3.446E+002	3.694E+002	3.951E+002
44	3.334E+002	3.578E+002	3.830E+002
45	3.226E+002	3.466E+002	3.713E+002
46	3.123E+002	3.358E+002	3.601E+002
47	3.024E+002	3.254E+002	3.493E+002
48	2.928E+002	3.154E+002	3.389E+002
49	2.835E+002	3.057E+002	3.288E+002
50	2.747E+002	2.964E+002	3.191E+002
51	2.661E+002	2.874E+002	3.097E+002
52	2.579E+002	2.788E+002	3.007E+002
53	2.499E+002	2.705E+002	2.919E+002
54	2.423E+002	2.624E+002	2.835E+002
55	2.349E+002	2.546E+002	2.754E+002
56	2.278E+002	2.472E+002	2.675E+002
57	2.209E+002	2.399E+002	2.599E+002
58	2.143E+002	2.330E+002	2.526E+002
59	2.080E+002	2.262E+002	2.455E+002
60	2.018E+002	2.197E+002	2.387E+002
61	1.959E+002	2.135E+002	2.320E+002
62	1.902E+002	2.074E+002	2.257E+002
63	1.846E+002	2.016E+002	2.195E+002
64	1.793E+002	1.959E+002	2.135E+002
65	1.742E+002	1.904E+002	2.077E+002
66	1.692E+002	1.852E+002	2.021E+002
67	1.644E+002	1.800E+002	1.967E+002
68	1.597E+002	1.751E+002	1.915E+002
69	1.552E+002	1.703E+002	1.864E+002
70	1.509E+002	1.657E+002	1.815E+002
71	1.467E+002	1.612E+002	1.768E+002
72	1.427E+002	1.569E+002	1.722E+002
73	1.388E+002	1.527E+002	1.677E+002
74	1.350E+002	1.487E+002	1.634E+002
75	1.313E+002	1.448E+002	1.592E+002
76	1.278E+002	1.410E+002	1.551E+002
77	1.243E+002	1.373E+002	1.512E+002
78	1.210E+002	1.337E+002	1.474E+002
79	1.178E+002	1.302E+002	1.437E+002
80	1.146E+002	1.269E+002	1.401E+002

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.146E+002	1.269E+002	1.401E+002
81	1.116E+002	1.236E+002	1.366E+002
82	1.086E+002	1.204E+002	1.332E+002
83	1.058E+002	1.174E+002	1.299E+002
84	1.030E+002	1.144E+002	1.267E+002
85	1.004E+002	1.115E+002	1.236E+002
86	9.777E+001	1.087E+002	1.206E+002
87	9.526E+001	1.060E+002	1.176E+002
88	9.283E+001	1.034E+002	1.148E+002
89	9.047E+001	1.008E+002	1.120E+002
90	8.819E+001	9.834E+001	1.094E+002
91	8.598E+001	9.595E+001	1.068E+002
92	8.385E+001	9.363E+001	1.043E+002
93	8.177E+001	9.138E+001	1.019E+002
94	7.976E+001	8.919E+001	9.949E+001
95	7.780E+001	8.707E+001	9.719E+001
96	7.591E+001	8.500E+001	9.496E+001
97	7.406E+001	8.300E+001	9.278E+001
98	7.228E+001	8.105E+001	9.067E+001
99	7.054E+001	7.916E+001	8.862E+001
100	6.886E+001	7.733E+001	8.662E+001
101	6.722E+001	7.554E+001	8.468E+001
102	6.563E+001	7.380E+001	8.279E+001
103	6.408E+001	7.212E+001	8.095E+001
104	6.258E+001	7.047E+001	7.916E+001
105	6.113E+001	6.888E+001	7.742E+001
106	5.971E+001	6.733E+001	7.573E+001
107	5.833E+001	6.582E+001	7.408E+001
108	5.699E+001	6.435E+001	7.247E+001
109	5.569E+001	6.292E+001	7.091E+001
110	5.442E+001	6.153E+001	6.939E+001
111	5.319E+001	6.017E+001	6.791E+001
112	5.199E+001	5.886E+001	6.646E+001
113	5.083E+001	5.758E+001	6.506E+001
114	4.969E+001	5.633E+001	6.369E+001
115	4.859E+001	5.511E+001	6.235E+001
116	4.752E+001	5.393E+001	6.105E+001
117	4.647E+001	5.278E+001	5.979E+001
118	4.545E+001	5.165E+001	5.855E+001
119	4.446E+001	5.056E+001	5.735E+001
120	4.350E+001	4.950E+001	5.618E+001
121	4.256E+001	4.846E+001	5.503E+001
122	4.165E+001	4.745E+001	5.392E+001
123	4.076E+001	4.646E+001	5.283E+001
124	3.989E+001	4.550E+001	5.177E+001
125	3.905E+001	4.456E+001	5.073E+001