NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-3V103F[T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3910 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	3.698E+005	3.875E+005	4.059E+005
-39	3.452E+005	3.614E+005	3.783E+005
-38	3.223E+005	3.372E+005	3.528E+005
-37	3.011E+005	3.148E+005	3.291E+005
-36	2.815E+005	2.940E+005	3.072E+005
-35	2.632E+005	2.748E+005	2.868E+005
-34	2.462E+005	2.569E+005	2.680E+005
-33	2.304E+005	2.402E+005	2.504E+005
-32	2.157E+005	2.248E+005	2.342E+005
-31	2.021E+005	2.104E+005	2.190E+005
-30	1.894E+005	1.970E+005	2.050E+005
-29	1.775E+005	1.846E+005	1.919E+005
-28	1.665E+005	1.730E+005	1.798E+005
-27	1.562E+005	1.622E+005	1.685E+005
-26	1.467E+005	1.522E+005	1.579E+005
-25	1.377E+005	1.428E+005	1.481E+005
-24	1.294E+005	1.341E+005	1.390E+005
-23	1.216E+005	1.260E+005	1.305E+005
-22	1.144E+005	1.184E+005	1.226E+005
-21	1.076E+005	1.113E+005	1.151E+005
-20	1.013E+005	1.047E+005	1.082E+005
-19	9.532E+004	9.850E+004	1.018E+005
-18	8.978E+004	9.271E+004	9.573E+004
-17	8.459E+004	8.730E+004	9.009E+004
-16	7.974E+004	8.225E+004	8.482E+004
-15	7.520E+004	7.752E+004	7.990E+004
-14	7.095E+004	7.310E+004	7.530E+004
-13	6.697E+004	6.896E+004	7.099E+004
-12	6.324E+004	6.508E+004	6.696E+004
-11	5.974E+004	6.144E+004	6.319E+004
-10	5.646E+004	5.804E+004	5.965E+004
-9	5.339E+004	5.485E+004	5.634E+004
-8	5.050E+004	5.185E+004	5.323E+004
-7	4.779E+004	4.904E+004	5.032E+004
-6	4.524E+004	4.640E+004	4.759E+004
-5	4.285E+004	4.392E+004	4.502E+004
-4	4.059E+004	4.159E+004	4.260E+004
-3	3.847E+004	3.939E+004	4.033E+004
-2	3.648E+004	3.733E+004	3.820E+004
-1	3.460E+004	3.539E+004	3.619E+004
0	3.283E+004	3.356E+004	3.430E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.283E+004	3.356E+004	3.430E+004
1	3.116E+004	3.184E+004	3.253E+004
2	2.958E+004	3.021E+004	3.085E+004
3	2.810E+004	2.868E+004	2.927E+004
4	2.670E+004	2.724E+004	2.779E+004
5	2.538E+004	2.588E+004	2.639E+004
6	2.413E+004	2.460E+004	2.507E+004
7	2.296E+004	2.339E+004	2.382E+004
8	2.185E+004	2.224E+004	2.264E+004
9	2.080E+004	2.116E+004	2.153E+004
10	1.980E+004	2.014E+004	2.049E+004
11	1.886E+004	1.918E+004	1.950E+004
12	1.798E+004	1.827E+004	1.856E+004
13	1.714E+004	1.740E+004	1.767E+004
14	1.634E+004	1.659E+004	1.684E+004
15	1.559E+004	1.582E+004	1.605E+004
16	1.487E+004	1.508E+004	1.530E+004
17	1.420E+004	1.439E+004	1.459E+004
18	1.356E+004	1.374E+004	1.392E+004
19	1.295E+004	1.311E+004	1.328E+004
20	1.237E+004	1.252E+004	1.268E+004
21	1.182E+004	1.197E+004	1.211E+004
22	1.131E+004	1.144E+004	1.156E+004
23	1.081E+004	1.093E+004	1.105E+004
24	1.034E+004	1.045E+004	1.056E+004
25	9.900E+003	1.000E+004	1.010E+004
26	9.469E+003	9.569E+003	9.669E+003
27	9.060E+003	9.159E+003	9.259E+003
28	8.671E+003	8.770E+003	8.869E+003
29	8.301E+003	8.400E+003	8.498E+003
30	7.950E+003	8.047E+003	8.145E+003
31	7.615E+003	7.712E+003	7.810E+003
32	7.297E+003	7.393E+003	7.490E+003
33	6.995E+003	7.090E+003	7.185E+003
34	6.707E+003	6.801E+003	6.895E+003
35	6.432E+003	6.525E+003	6.618E+003
36	6.171E+003	6.263E+003	6.355E+003
37	5.922E+003	6.012E+003	6.103E+003
38	5.685E+003	5.774E+003	5.863E+003
39	5.458E+003	5.546E+003	5.635E+003
40	5.242E+003	5.329E+003	5.416E+003

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-3V103F[T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3910 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.242E+003	5.329E+003	5.416E+003
41	5.036E+003	5.121E+003	5.207E+003
42	4.840E+003	4.923E+003	5.008E+003
43	4.652E+003	4.734E+003	4.817E+003
44	4.473E+003	4.553E+003	4.635E+003
45	4.302E+003	4.381E+003	4.461E+003
46	4.138E+003	4.216E+003	4.295E+003
47	3.982E+003	4.058E+003	4.136E+003
48	3.832E+003	3.908E+003	3.984E+003
49	3.690E+003	3.764E+003	3.838E+003
50	3.553E+003	3.626E+003	3.699E+003
51	3.423E+003	3.494E+003	3.566E+003
52	3.298E+003	3.368E+003	3.439E+003
53	3.179E+003	3.247E+003	3.317E+003
54	3.064E+003	3.131E+003	3.200E+003
55	2.955E+003	3.021E+003	3.088E+003
56	2.850E+003	2.914E+003	2.980E+003
57	2.749E+003	2.812E+003	2.877E+003
58	2.653E+003	2.715E+003	2.778E+003
59	2.560E+003	2.621E+003	2.683E+003
60	2.472E+003	2.531E+003	2.592E+003
61	2.387E+003	2.445E+003	2.505E+003
62	2.305E+003	2.362E+003	2.420E+003
63	2.226E+003	2.283E+003	2.340E+003
64	2.151E+003	2.206E+003	2.262E+003
65	2.079E+003	2.133E+003	2.188E+003
66	2.010E+003	2.062E+003	2.116E+003
67	1.943E+003	1.995E+003	2.047E+003
68	1.879E+003	1.930E+003	1.981E+003
69	1.817E+003	1.867E+003	1.918E+003
70	1.758E+003	1.807E+003	1.857E+003
71	1.701E+003	1.749E+003	1.798E+003
72	1.647E+003	1.693E+003	1.741E+003
73	1.594E+003	1.640E+003	1.687E+003
74	1.544E+003	1.588E+003	1.634E+003
75	1.495E+003	1.539E+003	1.584E+003
76	1.448E+003	1.491E+003	1.535E+003
77	1.403E+003	1.445E+003	1.488E+003
78	1.360E+003	1.401E+003	1.443E+003
79	1.318E+003	1.358E+003	1.400E+003
80	1.277E+003	1.317E+003	1.358E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.277E+003	1.317E+003	1.358E+003
81	1.239E+003	1.277E+003	1.317E+003
82	1.201E+003	1.239E+003	1.278E+003
83	1.165E+003	1.202E+003	1.241E+003
84	1.130E+003	1.167E+003	1.204E+003
85	1.097E+003	1.133E+003	1.169E+003
86	1.065E+003	1.100E+003	1.136E+003
87	1.033E+003	1.068E+003	1.103E+003
88	1.003E+003	1.037E+003	1.071E+003
89	9.741E+002	1.007E+003	1.041E+003
90	9.461E+002	9.783E+002	1.012E+003
91	9.190E+002	9.506E+002	9.832E+002
92	8.928E+002	9.238E+002	9.558E+002
93	8.675E+002	8.979E+002	9.292E+002
94	8.431E+002	8.729E+002	9.036E+002
95	8.195E+002	8.487E+002	8.788E+002
96	7.967E+002	8.253E+002	8.548E+002
97	7.746E+002	8.027E+002	8.316E+002
98	7.533E+002	7.808E+002	8.092E+002
99	7.327E+002	7.596E+002	7.875E+002
100	7.127E+002	7.392E+002	7.665E+002
101	6.934E+002	7.193E+002	7.461E+002
102	6.747E+002	7.001E+002	7.264E+002
103	6.566E+002	6.816E+002	7.073E+002
104	6.391E+002	6.636E+002	6.889E+002
105	6.222E+002	6.462E+002	6.710E+002
106	6.058E+002	6.293E+002	6.537E+002
107	5.899E+002	6.130E+002	6.369E+002
108	5.746E+002	5.972E+002	6.206E+002
109	5.597E+002	5.819E+002	6.049E+002
110	5.453E+002	5.671E+002	5.896E+002
111	5.313E+002	5.527E+002	5.748E+002
112	5.178E+002	5.387E+002	5.605E+002
113	5.047E+002	5.252E+002	5.466E+002
114	4.920E+002	5.121E+002	5.331E+002
115	4.796E+002	4.994E+002	5.200E+002
116	4.677E+002	4.871E+002	5.073E+002
117	4.561E+002	4.752E+002	4.950E+002
118	4.449E+002	4.636E+002	4.831E+002
119	4.340E+002	4.524E+002	4.715E+002
120	4.234E+002	4.415E+002	4.602E+002
121	4.132E+002	4.309E+002	4.493E+002
122	4.032E+002	4.206E+002	4.387E+002
123	3.935E+002	4.106E+002	4.284E+002
124	3.842E+002	4.009E+002	4.184E+002
125	3.751E+002	3.915E+002	4.087E+002