NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3K103J[T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3500 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.927E+05	2.238E+05	2.592E+05
-39	1.821E+05	2.111E+05	2.440E+05
-38	1.721E+05	1.991E+05	2.298E+05
-37	1.628E+05	1.880E+05	2.165E+05
-36	1.540E+05	1.775E+05	2.040E+05
-35	1.458E+05	1.677E+05	1.924E+05
-34	1.380E+05	1.585E+05	1.815E+05
-33	1.307E+05	1.498E+05	1.713E+05
-32	1.239E+05	1.417E+05	1.617E+05
-31	1.174E+05	1.341E+05	1.527E+05
-30	1.113E+05	1.269E+05	1.443E+05
-29	1.056E+05	1.202E+05	1.364E+05
-28	1.002E+05	1.138E+05	1.290E+05
-27	9.513E+04	1.079E+05	1.220E+05
-26	9.033E+04	1.023E+05	1.155E+05
-25	8.581E+04	9.697E+04	1.093E+05
-24	8.154E+04	9.199E+04	1.035E+05
-23	7.751E+04	8.729E+04	9.807E+04
-22	7.370E+04	8.287E+04	9.294E+04
-21	7.011E+04	7.869E+04	8.811E+04
-20	6.671E+04	7.475E+04	8.356E+04
-19	6.350E+04	7.104E+04	7.928E+04
-18	6.046E+04	6.753E+04	7.524E+04
-17	5.758E+04	6.421E+04	7.143E+04
-16	5.486E+04	6.108E+04	6.784E+04
-15	5.228E+04	5.812E+04	6.445E+04
-14	4.984E+04	5.532E+04	6.124E+04
-13	4.752E+04	5.267E+04	5.822E+04
-12	4.533E+04	5.016E+04	5.536E+04
-11	4.325E+04	4.778E+04	5.266E+04
-10	4.128E+04	4.553E+04	5.010E+04
-9	3.940E+04	4.340E+04	4.768E+04
-8	3.763E+04	4.138E+04	4.540E+04
-7	3.594E+04	3.947E+04	4.323E+04
-6	3.434E+04	3.765E+04	4.119E+04
-5	3.282E+04	3.593E+04	3.925E+04
-4	3.137E+04	3.430E+04	3.741E+04
-3	3.000E+04	3.275E+04	3.567E+04
-2	2.870E+04	3.128E+04	3.402E+04
-1	2.745E+04	2.989E+04	3.246E+04
0	2.627E+04	2.856E+04	3.097E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.627E+04	2.856E+04	3.097E+04
1	2.515E+04	2.730E+04	2.957E+04
2	2.408E+04	2.611E+04	2.823E+04
3	2.307E+04	2.497E+04	2.697E+04
4	2.210E+04	2.389E+04	2.576E+04
5	2.118E+04	2.286E+04	2.462E+04
6	2.030E+04	2.188E+04	2.353E+04
7	1.946E+04	2.095E+04	2.250E+04
8	1.866E+04	2.007E+04	2.152E+04
9	1.790E+04	1.922E+04	2.059E+04
10	1.718E+04	1.842E+04	1.971E+04
11	1.648E+04	1.766E+04	1.886E+04
12	1.582E+04	1.693E+04	1.806E+04
13	1.519E+04	1.623E+04	1.730E+04
14	1.459E+04	1.557E+04	1.657E+04
15	1.402E+04	1.494E+04	1.588E+04
16	1.347E+04	1.433E+04	1.522E+04
17	1.294E+04	1.376E+04	1.459E+04
18	1.244E+04	1.321E+04	1.399E+04
19	1.197E+04	1.269E+04	1.342E+04
20	1.151E+04	1.219E+04	1.287E+04
21	1.107E+04	1.171E+04	1.235E+04
22	1.065E+04	1.125E+04	1.186E+04
23	1.025E+04	1.082E+04	1.138E+04
24	9.867E+03	1.040E+04	1.093E+04
25	9.500E+03	1.000E+04	1.050E+04
26	9.127E+03	9.619E+03	1.011E+04
27	8.771E+03	9.254E+03	9.740E+03
28	8.431E+03	8.906E+03	9.384E+03
29	8.105E+03	8.572E+03	9.043E+03
30	7.794E+03	8.252E+03	8.716E+03
31	7.497E+03	7.947E+03	8.402E+03
32	7.213E+03	7.654E+03	8.102E+03
33	6.941E+03	7.374E+03	7.814E+03
34	6.681E+03	7.105E+03	7.538E+03
35	6.431E+03	6.848E+03	7.273E+03
36	6.193E+03	6.601E+03	7.019E+03
37	5.965E+03	6.365E+03	6.775E+03
38	5.746E+03	6.138E+03	6.540E+03
39	5.536E+03	5.920E+03	6.315E+03
40	5.335E+03	5.712E+03	6.099E+03

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3K103J[T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3500 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.335E+03	5.712E+03	6.099E+03
41	5.143E+03	5.512E+03	5.892E+03
42	4.958E+03	5.319E+03	5.692E+03
43	4.781E+03	5.135E+03	5.501E+03
44	4.612E+03	4.958E+03	5.317E+03
45	4.449E+03	4.788E+03	5.140E+03
46	4.293E+03	4.624E+03	4.970E+03
47	4.143E+03	4.468E+03	4.806E+03
48	3.999E+03	4.317E+03	4.648E+03
49	3.861E+03	4.172E+03	4.497E+03
50	3.728E+03	4.033E+03	4.351E+03
51	3.601E+03	3.899E+03	4.211E+03
52	3.478E+03	3.770E+03	4.076E+03
53	3.361E+03	3.646E+03	3.946E+03
54	3.248E+03	3.527E+03	3.821E+03
55	3.139E+03	3.413E+03	3.700E+03
56	3.035E+03	3.302E+03	3.584E+03
57	2.934E+03	3.196E+03	3.472E+03
58	2.838E+03	3.094E+03	3.364E+03
59	2.745E+03	2.995E+03	3.260E+03
60	2.655E+03	2.900E+03	3.160E+03
61	2.568E+03	2.808E+03	3.063E+03
62	2.485E+03	2.720E+03	2.969E+03
63	2.405E+03	2.635E+03	2.879E+03
64	2.328E+03	2.552E+03	2.792E+03
65	2.254E+03	2.473E+03	2.708E+03
66	2.182E+03	2.397E+03	2.626E+03
67	2.114E+03	2.324E+03	2.548E+03
68	2.047E+03	2.253E+03	2.473E+03
69	1.983E+03	2.185E+03	2.400E+03
70	1.922E+03	2.119E+03	2.330E+03
71	1.863E+03	2.056E+03	2.262E+03
72	1.806E+03	1.994E+03	2.197E+03
73	1.751E+03	1.936E+03	2.134E+03
74	1.698E+03	1.879E+03	2.073E+03
75	1.647E+03	1.824E+03	2.014E+03
76	1.598E+03	1.771E+03	1.957E+03
77	1.550E+03	1.719E+03	1.902E+03
78	1.504E+03	1.670E+03	1.849E+03
79	1.460E+03	1.622E+03	1.797E+03
80	1.417E+03	1.575E+03	1.747E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.417E+03	1.575E+03	1.747E+03
81	1.375E+03	1.531E+03	1.699E+03
82	1.335E+03	1.487E+03	1.652E+03
83	1.296E+03	1.445E+03	1.607E+03
84	1.259E+03	1.405E+03	1.563E+03
85	1.223E+03	1.366E+03	1.521E+03
86	1.188E+03	1.328E+03	1.480E+03
87	1.154E+03	1.291E+03	1.440E+03
88	1.122E+03	1.255E+03	1.402E+03
89	1.090E+03	1.221E+03	1.364E+03
90	1.059E+03	1.188E+03	1.328E+03
91	1.030E+03	1.155E+03	1.293E+03
92	1.001E+03	1.124E+03	1.259E+03
93	9.735E+02	1.094E+03	1.226E+03
94	9.467E+02	1.065E+03	1.195E+03
95	9.208E+02	1.036E+03	1.164E+03
96	8.957E+02	1.009E+03	1.134E+03
97	8.714E+02	9.823E+02	1.105E+03
98	8.479E+02	9.565E+02	1.076E+03
99	8.251E+02	9.315E+02	1.049E+03
100	8.030E+02	9.073E+02	1.023E+03
101	7.816E+02	8.837E+02	9.967E+02
102	7.608E+02	8.609E+02	9.717E+02
103	7.407E+02	8.388E+02	9.475E+02
104	7.213E+02	8.174E+02	9.239E+02
105	7.024E+02	7.966E+02	9.011E+02
106	6.841E+02	7.764E+02	8.789E+02
107	6.664E+02	7.568E+02	8.574E+02
108	6.492E+02	7.378E+02	8.365E+02
109	6.325E+02	7.194E+02	8.162E+02
110	6.164E+02	7.015E+02	7.965E+02
111	6.007E+02	6.842E+02	7.773E+02
112	5.855E+02	6.674E+02	7.588E+02
113	5.708E+02	6.510E+02	7.407E+02
114	5.565E+02	6.352E+02	7.232E+02
115	5.426E+02	6.197E+02	7.061E+02
116	5.291E+02	6.048E+02	6.895E+02
117	5.160E+02	5.902E+02	6.734E+02
118	5.033E+02	5.761E+02	6.577E+02
119	4.910E+02	5.623E+02	6.425E+02
120	4.790E+02	5.490E+02	6.276E+02
121	4.674E+02	5.360E+02	6.132E+02
122	4.560E+02	5.234E+02	5.992E+02
123	4.451E+02	5.111E+02	5.855E+02
124	4.344E+02	4.992E+02	5.723E+02
125	4.240E+02	4.876E+02	5.593E+02