NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN05-3T103J [R,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3820 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	3.009E+005	3.526E+005	4.120E+005
-39	2.814E+005	3.291E+005	3.838E+005
-38	2.634E+005	3.073E+005	3.577E+005
-37	2.466E+005	2.871E+005	3.335E+005
-36	2.310E+005	2.684E+005	3.112E+005
-35	2.165E+005	2.511E+005	2.904E+005
-34	2.030E+005	2.350E+005	2.713E+005
-33	1.905E+005	2.200E+005	2.535E+005
-32	1.788E+005	2.061E+005	2.370E+005
-31	1.679E+005	1.932E+005	2.217E+005
-30	1.577E+005	1.811E+005	2.075E+005
-29	1.483E+005	1.699E+005	1.942E+005
-28	1.394E+005	1.595E+005	1.820E+005
-27	1.312E+005	1.497E+005	1.705E+005
-26	1.235E+005	1.407E+005	1.599E+005
-25	1.163E+005	1.322E+005	1.500E+005
-24	1.095E+005	1.244E+005	1.408E+005
-23	1.032E+005	1.170E+005	1.322E+005
-22	9.735E+004	1.101E+005	1.243E+005
-21	9.184E+004	1.037E+005	1.168E+005
-20	8.668E+004	9.770E+004	1.098E+005
-19	8.185E+004	9.208E+004	1.033E+005
-18	7.731E+004	8.683E+004	9.727E+004
-17	7.306E+004	8.191E+004	9.160E+004
-16	6.908E+004	7.731E+004	8.630E+004
-15	6.533E+004	7.299E+004	8.135E+004
-14	6.182E+004	6.895E+004	7.671E+004
-13	5.852E+004	6.516E+004	7.237E+004
-12	5.542E+004	6.161E+004	6.831E+004
-11	5.251E+004	5.827E+004	6.450E+004
-10	4.977E+004	5.514E+004	6.093E+004
-9	4.719E+004	5.220E+004	5.759E+004
-8	4.477E+004	4.943E+004	5.445E+004
-7	4.248E+004	4.683E+004	5.150E+004
-6	4.033E+004	4.439E+004	4.873E+004
-5	3.830E+004	4.209E+004	4.613E+004
-4	3.638E+004	3.992E+004	4.369E+004
-3	3.458E+004	3.788E+004	4.139E+004
-2	3.287E+004	3.595E+004	3.922E+004
-1	3.126E+004	3.414E+004	3.718E+004
0	2.974E+004	3.242E+004	3.526E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.974E+004	3.242E+004	3.526E+004
1	2.830E+004	3.081E+004	3.346E+004
2	2.694E+004	2.929E+004	3.175E+004
3	2.566E+004	2.785E+004	3.015E+004
4	2.444E+004	2.649E+004	2.864E+004
5	2.329E+004	2.521E+004	2.721E+004
6	2.220E+004	2.399E+004	2.586E+004
7	2.117E+004	2.285E+004	2.459E+004
8	2.020E+004	2.176E+004	2.339E+004
9	1.927E+004	2.073E+004	2.225E+004
10	1.840E+004	1.976E+004	2.118E+004
11	1.757E+004	1.884E+004	2.016E+004
12	1.678E+004	1.797E+004	1.920E+004
13	1.603E+004	1.715E+004	1.830E+004
14	1.532E+004	1.637E+004	1.744E+004
15	1.465E+004	1.562E+004	1.663E+004
16	1.401E+004	1.492E+004	1.586E+004
17	1.340E+004	1.425E+004	1.513E+004
18	1.282E+004	1.362E+004	1.444E+004
19	1.227E+004	1.302E+004	1.378E+004
20	1.175E+004	1.245E+004	1.316E+004
21	1.126E+004	1.191E+004	1.257E+004
22	1.078E+004	1.140E+004	1.201E+004
23	1.033E+004	1.091E+004	1.148E+004
24	9.907E+003	1.044E+004	1.098E+004
25	9.500E+003	1.000E+004	1.050E+004
26	9.089E+003	9.579E+003	1.007E+004
27	8.698E+003	9.179E+003	9.663E+003
28	8.327E+003	8.798E+003	9.274E+003
29	7.973E+003	8.436E+003	8.903E+003
30	7.637E+003	8.090E+003	8.549E+003
31	7.317E+003	7.761E+003	8.211E+003
32	7.013E+003	7.447E+003	7.889E+003
33	6.723E+003	7.148E+003	7.581E+003
34	6.447E+003	6.863E+003	7.288E+003
35	6.184E+003	6.591E+003	7.007E+003
36	5.933E+003	6.331E+003	6.740E+003
37	5.694E+003	6.084E+003	6.484E+003
38	5.467E+003	5.848E+003	6.239E+003
39	5.250E+003	5.622E+003	6.006E+003
40	5.042E+003	5.406E+003	5.782E+003

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN05-3T103J [R,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3820 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.042E+003	5.406E+003	5.782E+003
41	4.845E+003	5.201E+003	5.569E+003
42	4.656E+003	5.004E+003	5.364E+003
43	4.476E+003	4.816E+003	5.169E+003
44	4.305E+003	4.637E+003	4.982E+003
45	4.140E+003	4.465E+003	4.803E+003
46	3.984E+003	4.301E+003	4.631E+003
47	3.834E+003	4.144E+003	4.467E+003
48	3.690E+003	3.993E+003	4.310E+003
49	3.553E+003	3.849E+003	4.159E+003
50	3.422E+003	3.711E+003	4.014E+003
51	3.297E+003	3.579E+003	3.876E+003
52	3.177E+003	3.453E+003	3.743E+003
53	3.063E+003	3.332E+003	3.616E+003
54	2.953E+003	3.216E+003	3.494E+003
55	2.848E+003	3.105E+003	3.376E+003
56	2.747E+003	2.998E+003	3.264E+003
57	2.650E+003	2.895E+003	3.156E+003
58	2.557E+003	2.797E+003	3.052E+003
59	2.468E+003	2.703E+003	2.952E+003
60	2.383E+003	2.612E+003	2.855E+003
61	2.301E+003	2.525E+003	2.763E+003
62	2.222E+003	2.441E+003	2.674E+003
63	2.147E+003	2.360E+003	2.588E+003
64	2.075E+003	2.283E+003	2.506E+003
65	2.005E+003	2.209E+003	2.427E+003
66	1.938E+003	2.137E+003	2.351E+003
67	1.874E+003	2.068E+003	2.277E+003
68	1.812E+003	2.002E+003	2.207E+003
69	1.753E+003	1.939E+003	2.139E+003
70	1.696E+003	1.877E+003	2.073E+003
71	1.641E+003	1.818E+003	2.010E+003
72	1.588E+003	1.762E+003	1.949E+003
73	1.538E+003	1.707E+003	1.891E+003
74	1.489E+003	1.654E+003	1.834E+003
75	1.442E+003	1.604E+003	1.779E+003
76	1.397E+003	1.555E+003	1.727E+003
77	1.353E+003	1.508E+003	1.676E+003
78	1.311E+003	1.463E+003	1.627E+003
79	1.271E+003	1.419E+003	1.580E+003
80	1.232E+003	1.377E+003	1.535E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.232E+003	1.377E+003	1.535E+003
81	1.195E+003	1.336E+003	1.491E+003
82	1.159E+003	1.297E+003	1.449E+003
83	1.124E+003	1.259E+003	1.408E+003
84	1.090E+003	1.223E+003	1.368E+003
85	1.058E+003	1.188E+003	1.330E+003
86	1.027E+003	1.154E+003	1.293E+003
87	9.967E+002	1.121E+003	1.257E+003
88	9.676E+002	1.089E+003	1.223E+003
89	9.396E+002	1.059E+003	1.190E+003
90	9.125E+002	1.029E+003	1.157E+003
91	8.862E+002	1.000E+003	1.126E+003
92	8.608E+002	9.724E+002	1.096E+003
93	8.364E+002	9.455E+002	1.066E+003
94	8.127E+002	9.196E+002	1.038E+003
95	7.899E+002	8.945E+002	1.010E+003
96	7.679E+002	8.703E+002	9.839E+002
97	7.466E+002	8.469E+002	9.582E+002
98	7.260E+002	8.242E+002	9.334E+002
99	7.061E+002	8.023E+002	9.094E+002
100	6.869E+002	7.812E+002	8.861E+002
101	6.684E+002	7.608E+002	8.637E+002
102	6.505E+002	7.410E+002	8.419E+002
103	6.332E+002	7.219E+002	8.208E+002
104	6.165E+002	7.033E+002	8.004E+002
105	6.003E+002	6.854E+002	7.806E+002
106	5.846E+002	6.680E+002	7.614E+002
107	5.694E+002	6.511E+002	7.428E+002
108	5.546E+002	6.348E+002	7.247E+002
109	5.404E+002	6.190E+002	7.072E+002
110	5.266E+002	6.036E+002	6.902E+002
111	5.132E+002	5.888E+002	6.738E+002
112	5.003E+002	5.744E+002	6.578E+002
113	4.877E+002	5.604E+002	6.423E+002
114	4.756E+002	5.468E+002	6.272E+002
115	4.638E+002	5.337E+002	6.126E+002
116	4.523E+002	5.209E+002	5.984E+002
117	4.412E+002	5.085E+002	5.846E+002
118	4.304E+002	4.964E+002	5.711E+002
119	4.199E+002	4.847E+002	5.581E+002
120	4.098E+002	4.733E+002	5.454E+002
121	3.999E+002	4.623E+002	5.330E+002
122	3.903E+002	4.515E+002	5.210E+002
123	3.810E+002	4.411E+002	5.093E+002
124	3.720E+002	4.309E+002	4.979E+002
125	3.632E+002	4.210E+002	4.869E+002