NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN05-3C102J [R,B]

RESISTANCE(at25℃)	1000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3110 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.450E+004	1.665E+004	1.908E+004
-39	1.376E+004	1.577E+004	1.804E+004
-38	1.306E+004	1.495E+004	1.707E+004
-37	1.240E+004	1.417E+004	1.615E+004
-36	1.178E+004	1.344E+004	1.530E+004
-35	1.120E+004	1.275E+004	1.449E+004
-34	1.065E+004	1.211E+004	1.373E+004
-33	1.013E+004	1.150E+004	1.302E+004
-32	9.637E+003	1.092E+004	1.235E+004
-31	9.174E+003	1.038E+004	1.172E+004
-30	8.737E+003	9.872E+003	1.113E+004
-29	8.323E+003	9.389E+003	1.057E+004
-28	7.933E+003	8.934E+003	1.004E+004
-27	7.563E+003	8.505E+003	9.540E+003
-26	7.213E+003	8.099E+003	9.072E+003
-25	6.882E+003	7.716E+003	8.629E+003
-24	6.569E+003	7.354E+003	8.211E+003
-23	6.272E+003	7.011E+003	7.817E+003
-22	5.991E+003	6.687E+003	7.445E+003
-21	5.725E+003	6.380E+003	7.092E+003
-20	5.472E+003	6.089E+003	6.759E+003
-19	5.233E+003	5.815E+003	6.446E+003
-18	5.006E+003	5.555E+003	6.149E+003
-17	4.790E+003	5.308E+003	5.867E+003
-16	4.585E+003	5.073E+003	5.600E+003
-15	4.390E+003	4.851E+003	5.346E+003
-14	4.204E+003	4.639E+003	5.106E+003
-13	4.028E+003	4.438E+003	4.878E+003
-12	3.859E+003	4.246E+003	4.661E+003
-11	3.699E+003	4.065E+003	4.455E+003
-10	3.546E+003	3.892E+003	4.260E+003
-9	3.400E+003	3.727E+003	4.074E+003
-8	3.262E+003	3.570E+003	3.897E+003
-7	3.129E+003	3.420E+003	3.729E+003
-6	3.003E+003	3.278E+003	3.569E+003
-5	2.883E+003	3.143E+003	3.418E+003
-4	2.769E+003	3.014E+003	3.273E+003
-3	2.659E+003	2.891E+003	3.136E+003
-2	2.555E+003	2.775E+003	3.005E+003
-1	2.455E+003	2.663E+003	2.881E+003
0	2.360E+003	2.557E+003	2.763E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.360E+003	2.557E+003	2.763E+003
1	2.270E+003	2.455E+003	2.650E+003
2	2.183E+003	2.359E+003	2.542E+003
3	2.100E+003	2.266E+003	2.440E+003
4	2.021E+003	2.178E+003	2.342E+003
5	1.945E+003	2.094E+003	2.249E+003
6	1.873E+003	2.014E+003	2.160E+003
7	1.803E+003	1.937E+003	2.075E+003
8	1.737E+003	1.863E+003	1.994E+003
9	1.673E+003	1.793E+003	1.916E+003
10	1.613E+003	1.726E+003	1.842E+003
11	1.554E+003	1.661E+003	1.772E+003
12	1.498E+003	1.600E+003	1.704E+003
13	1.445E+003	1.541E+003	1.640E+003
14	1.394E+003	1.485E+003	1.578E+003
15	1.345E+003	1.431E+003	1.519E+003
16	1.297E+003	1.379E+003	1.462E+003
17	1.252E+003	1.329E+003	1.408E+003
18	1.209E+003	1.282E+003	1.356E+003
19	1.167E+003	1.237E+003	1.307E+003
20	1.127E+003	1.193E+003	1.259E+003
21	1.089E+003	1.151E+003	1.214E+003
22	1.052E+003	1.111E+003	1.170E+003
23	1.017E+003	1.072E+003	1.128E+003
24	9.826E+002	1.035E+003	1.088E+003
25	9.500E+002	1.000E+003	1.050E+003
26	9.167E+002	9.660E+002	1.015E+003
27	8.848E+002	9.333E+002	9.820E+002
28	8.541E+002	9.019E+002	9.500E+002
29	8.247E+002	8.718E+002	9.191E+002
30	7.965E+002	8.428E+002	8.895E+002
31	7.694E+002	8.149E+002	8.610E+002
32	7.434E+002	7.881E+002	8.335E+002
33	7.184E+002	7.624E+002	8.071E+002
34	6.943E+002	7.376E+002	7.816E+002
35	6.712E+002	7.138E+002	7.571E+002
36	6.490E+002	6.908E+002	7.335E+002
37	6.277E+002	6.688E+002	7.108E+002
38	6.072E+002	6.475E+002	6.889E+002
39	5.874E+002	6.271E+002	6.678E+002
40	5.685E+002	6.074E+002	6.474E+002

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN05-3C102J [R,B]

RESISTANCE(at25℃)	1000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3110 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.685E+002	6.074E+002	6.474E+002
41	5.502E+002	5.885E+002	6.278E+002
42	5.327E+002	5.703E+002	6.090E+002
43	5.158E+002	5.527E+002	5.908E+002
44	4.995E+002	5.358E+002	5.732E+002
45	4.839E+002	5.194E+002	5.563E+002
46	4.688E+002	5.037E+002	5.399E+002
47	4.542E+002	4.886E+002	5.241E+002
48	4.403E+002	4.739E+002	5.089E+002
49	4.268E+002	4.598E+002	4.942E+002
50	4.138E+002	4.462E+002	4.800E+002
51	4.012E+002	4.330E+002	4.663E+002
52	3.891E+002	4.204E+002	4.530E+002
53	3.774E+002	4.081E+002	4.402E+002
54	3.662E+002	3.963E+002	4.278E+002
55	3.553E+002	3.849E+002	4.158E+002
56	3.448E+002	3.739E+002	4.043E+002
57	3.347E+002	3.632E+002	3.931E+002
58	3.250E+002	3.529E+002	3.823E+002
59	3.156E+002	3.430E+002	3.719E+002
60	3.065E+002	3.334E+002	3.618E+002
61	2.978E+002	3.242E+002	3.521E+002
62	2.893E+002	3.152E+002	3.426E+002
63	2.811E+002	3.066E+002	3.335E+002
64	2.733E+002	2.982E+002	3.247E+002
65	2.656E+002	2.902E+002	3.162E+002
66	2.583E+002	2.823E+002	3.079E+002
67	2.511E+002	2.748E+002	2.999E+002
68	2.443E+002	2.675E+002	2.921E+002
69	2.376E+002	2.604E+002	2.846E+002
70	2.312E+002	2.535E+002	2.774E+002
71	2.249E+002	2.469E+002	2.703E+002
72	2.189E+002	2.405E+002	2.635E+002
73	2.131E+002	2.343E+002	2.569E+002
74	2.075E+002	2.282E+002	2.505E+002
75	2.020E+002	2.224E+002	2.442E+002
76	1.967E+002	2.167E+002	2.382E+002
77	1.916E+002	2.113E+002	2.324E+002
78	1.866E+002	2.059E+002	2.267E+002
79	1.818E+002	2.008E+002	2.212E+002
80	1.771E+002	1.958E+002	2.158E+002

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.771E+002	1.958E+002	2.158E+002
81	1.726E+002	1.909E+002	2.106E+002
82	1.682E+002	1.862E+002	2.056E+002
83	1.640E+002	1.816E+002	2.007E+002
84	1.598E+002	1.772E+002	1.959E+002
85	1.559E+002	1.729E+002	1.913E+002
86	1.520E+002	1.687E+002	1.868E+002
87	1.482E+002	1.647E+002	1.825E+002
88	1.446E+002	1.607E+002	1.782E+002
89	1.410E+002	1.569E+002	1.741E+002
90	1.376E+002	1.532E+002	1.701E+002
91	1.343E+002	1.496E+002	1.662E+002
92	1.311E+002	1.461E+002	1.625E+002
93	1.279E+002	1.427E+002	1.588E+002
94	1.249E+002	1.394E+002	1.553E+002
95	1.219E+002	1.362E+002	1.518E+002
96	1.191E+002	1.331E+002	1.484E+002
97	1.163E+002	1.301E+002	1.451E+002
98	1.136E+002	1.271E+002	1.420E+002
99	1.109E+002	1.243E+002	1.389E+002
100	1.084E+002	1.215E+002	1.358E+002
101	1.059E+002	1.188E+002	1.329E+002
102	1.035E+002	1.161E+002	1.300E+002
103	1.011E+002	1.136E+002	1.273E+002
104	9.884E+001	1.111E+002	1.245E+002
105	9.662E+001	1.087E+002	1.219E+002
106	9.446E+001	1.063E+002	1.193E+002
107	9.235E+001	1.040E+002	1.168E+002
108	9.031E+001	1.018E+002	1.144E+002
109	8.832E+001	9.959E+001	1.120E+002
110	8.639E+001	9.747E+001	1.097E+002
111	8.450E+001	9.541E+001	1.074E+002
112	8.267E+001	9.340E+001	1.052E+002
113	8.089E+001	9.144E+001	1.031E+002
114	7.915E+001	8.953E+001	1.010E+002
115	7.746E+001	8.767E+001	9.898E+001
116	7.581E+001	8.586E+001	9.700E+001
117	7.421E+001	8.409E+001	9.506E+001
118	7.264E+001	8.237E+001	9.317E+001
119	7.112E+001	8.070E+001	9.133E+001
120	6.964E+001	7.906E+001	8.953E+001
121	6.819E+001	7.747E+001	8.778E+001
122	6.678E+001	7.591E+001	8.607E+001
123	6.541E+001	7.440E+001	8.440E+001
124	6.407E+001	7.292E+001	8.278E+001
125	6.277E+001	7.148E+001	8.119E+001