NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN05-3H103J [R,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3370 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.497E+005	1.732E+005	1.999E+005
-39	1.422E+005	1.642E+005	1.891E+005
-38	1.351E+005	1.557E+005	1.790E+005
-37	1.284E+005	1.477E+005	1.696E+005
-36	1.221E+005	1.402E+005	1.607E+005
-35	1.162E+005	1.332E+005	1.523E+005
-34	1.106E+005	1.266E+005	1.445E+005
-33	1.053E+005	1.204E+005	1.372E+005
-32	1.004E+005	1.145E+005	1.302E+005
-31	9.568E+004	1.089E+005	1.237E+005
-30	9.125E+004	1.037E+005	1.176E+005
-29	8.708E+004	9.880E+004	1.118E+005
-28	8.313E+004	9.416E+004	1.064E+005
-27	7.938E+004	8.977E+004	1.013E+005
-26	7.583E+004	8.560E+004	9.640E+004
-25	7.245E+004	8.166E+004	9.181E+004
-24	6.925E+004	7.792E+004	8.746E+004
-23	6.621E+004	7.438E+004	8.334E+004
-22	6.331E+004	7.101E+004	7.945E+004
-21	6.056E+004	6.782E+004	7.575E+004
-20	5.795E+004	6.479E+004	7.225E+004
-19	5.548E+004	6.193E+004	6.896E+004
-18	5.312E+004	5.921E+004	6.583E+004
-17	5.088E+004	5.662E+004	6.285E+004
-16	4.873E+004	5.415E+004	6.001E+004
-15	4.668E+004	5.179E+004	5.732E+004
-14	4.473E+004	4.955E+004	5.475E+004
-13	4.286E+004	4.741E+004	5.231E+004
-12	4.108E+004	4.537E+004	4.998E+004
-11	3.938E+004	4.343E+004	4.777E+004
-10	3.775E+004	4.157E+004	4.566E+004
-9	3.621E+004	3.981E+004	4.367E+004
-8	3.473E+004	3.813E+004	4.177E+004
-7	3.332E+004	3.653E+004	3.995E+004
-6	3.196E+004	3.499E+004	3.822E+004
-5	3.067E+004	3.353E+004	3.656E+004
-4	2.942E+004	3.213E+004	3.499E+004
-3	2.824E+004	3.079E+004	3.348E+004
-2	2.710E+004	2.950E+004	3.204E+004
-1	2.601E+004	2.828E+004	3.067E+004
0	2.497E+004	2.711E+004	2.936E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.497E+004	2.711E+004	2.936E+004
1	2.397E+004	2.599E+004	2.811E+004
2	2.301E+004	2.492E+004	2.692E+004
3	2.210E+004	2.390E+004	2.578E+004
4	2.122E+004	2.292E+004	2.469E+004
5	2.039E+004	2.199E+004	2.366E+004
6	1.959E+004	2.110E+004	2.267E+004
7	1.882E+004	2.025E+004	2.173E+004
8	1.809E+004	1.944E+004	2.083E+004
9	1.739E+004	1.866E+004	1.998E+004
10	1.672E+004	1.792E+004	1.916E+004
11	1.608E+004	1.722E+004	1.838E+004
12	1.547E+004	1.654E+004	1.764E+004
13	1.488E+004	1.589E+004	1.693E+004
14	1.432E+004	1.527E+004	1.625E+004
15	1.379E+004	1.468E+004	1.560E+004
16	1.327E+004	1.412E+004	1.498E+004
17	1.278E+004	1.358E+004	1.439E+004
18	1.230E+004	1.306E+004	1.382E+004
19	1.185E+004	1.256E+004	1.328E+004
20	1.142E+004	1.209E+004	1.277E+004
21	1.100E+004	1.163E+004	1.227E+004
22	1.060E+004	1.120E+004	1.180E+004
23	1.022E+004	1.078E+004	1.135E+004
24	9.852E+003	1.038E+004	1.091E+004
25	9.500E+003	1.000E+004	1.050E+004
26	9.142E+003	9.634E+003	1.013E+004
27	8.798E+003	9.283E+003	9.769E+003
28	8.470E+003	8.946E+003	9.425E+003
29	8.155E+003	8.623E+003	9.095E+003
30	7.854E+003	8.314E+003	8.779E+003
31	7.566E+003	8.017E+003	8.475E+003
32	7.289E+003	7.733E+003	8.183E+003
33	7.024E+003	7.460E+003	7.902E+003
34	6.770E+003	7.198E+003	7.633E+003
35	6.527E+003	6.946E+003	7.374E+003
36	6.294E+003	6.705E+003	7.126E+003
37	6.070E+003	6.474E+003	6.887E+003
38	5.855E+003	6.251E+003	6.657E+003
39	5.649E+003	6.038E+003	6.437E+003
40	5.451E+003	5.832E+003	6.224E+003

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.451E+003	5.832E+003	6.224E+003
41	5.262E+003	5.635E+003	6.020E+003
42	5.080E+003	5.446E+003	5.824E+003
43	4.905E+003	5.264E+003	5.635E+003
44	4.737E+003	5.089E+003	5.453E+003
45	4.576E+003	4.921E+003	5.278E+003
46	4.421E+003	4.759E+003	5.110E+003
47	4.273E+003	4.603E+003	4.948E+003
48	4.130E+003	4.454E+003	4.791E+003
49	3.992E+003	4.310E+003	4.641E+003
50	3.860E+003	4.171E+003	4.496E+003
51	3.733E+003	4.037E+003	4.356E+003
52	3.610E+003	3.909E+003	4.222E+003
53	3.493E+003	3.785E+003	4.092E+003
54	3.380E+003	3.666E+003	3.967E+003
55	3.271E+003	3.551E+003	3.846E+003
56	3.166E+003	3.440E+003	3.730E+003
57	3.065E+003	3.334E+003	3.617E+003
58	2.967E+003	3.231E+003	3.509E+003
59	2.874E+003	3.132E+003	3.404E+003
60	2.783E+003	3.036E+003	3.303E+003
61	2.696E+003	2.944E+003	3.206E+003
62	2.612E+003	2.855E+003	3.112E+003
63	2.531E+003	2.769E+003	3.021E+003
64	2.453E+003	2.686E+003	2.933E+003
65	2.378E+003	2.606E+003	2.848E+003
66	2.306E+003	2.529E+003	2.766E+003
67	2.236E+003	2.454E+003	2.687E+003
68	2.168E+003	2.382E+003	2.610E+003
69	2.103E+003	2.313E+003	2.536E+003
70	2.040E+003	2.245E+003	2.465E+003
71	1.980E+003	2.181E+003	2.396E+003
72	1.921E+003	2.118E+003	2.329E+003
73	1.865E+003	2.057E+003	2.264E+003
74	1.810E+003	1.999E+003	2.201E+003
75	1.757E+003	1.942E+003	2.141E+003
76	1.706E+003	1.887E+003	2.082E+003
77	1.657E+003	1.834E+003	2.026E+003
78	1.610E+003	1.783E+003	1.971E+003
79	1.564E+003	1.734E+003	1.918E+003
80	1.519E+003	1.686E+003	1.866E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.519E+003	1.686E+003	1.866E+003
81	1.476E+003	1.640E+003	1.817E+003
82	1.435E+003	1.595E+003	1.769E+003
83	1.395E+003	1.552E+003	1.722E+003
84	1.356E+003	1.510E+003	1.677E+003
85	1.319E+003	1.469E+003	1.633E+003
86	1.282E+003	1.430E+003	1.591E+003
87	1.247E+003	1.392E+003	1.549E+003
88	1.213E+003	1.355E+003	1.510E+003
89	1.181E+003	1.319E+003	1.471E+003
90	1.149E+003	1.285E+003	1.434E+003
91	1.118E+003	1.251E+003	1.397E+003
92	1.088E+003	1.219E+003	1.362E+003
93	1.059E+003	1.187E+003	1.328E+003
94	1.031E+003	1.157E+003	1.295E+003
95	1.004E+003	1.127E+003	1.263E+003
96	9.778E+002	1.099E+003	1.231E+003
97	9.524E+002	1.071E+003	1.201E+003
98	9.277E+002	1.044E+003	1.172E+003
99	9.038E+002	1.018E+003	1.143E+003
100	8.806E+002	9.924E+002	1.115E+003
101	8.582E+002	9.678E+002	1.089E+003
102	8.364E+002	9.439E+002	1.062E+003
103	8.153E+002	9.207E+002	1.037E+003
104	7.948E+002	8.982E+002	1.013E+003
105	7.749E+002	8.763E+002	9.886E+002
106	7.556E+002	8.551E+002	9.653E+002
107	7.369E+002	8.345E+002	9.427E+002
108	7.187E+002	8.145E+002	9.208E+002
109	7.011E+002	7.951E+002	8.995E+002
110	6.840E+002	7.762E+002	8.787E+002
111	6.674E+002	7.579E+002	8.586E+002
112	6.512E+002	7.401E+002	8.390E+002
113	6.356E+002	7.228E+002	8.199E+002
114	6.204E+002	7.060E+002	8.014E+002
115	6.056E+002	6.896E+002	7.833E+002
116	5.913E+002	6.737E+002	7.658E+002
117	5.773E+002	6.583E+002	7.487E+002
118	5.638E+002	6.433E+002	7.321E+002
119	5.506E+002	6.287E+002	7.160E+002
120	5.378E+002	6.145E+002	7.003E+002
121	5.254E+002	6.006E+002	6.850E+002
122	5.133E+002	5.872E+002	6.701E+002
123	5.015E+002	5.741E+002	6.556E+002
124	4.901E+002	5.614E+002	6.415E+002
125	4.790E+002	5.490E+002	6.277E+002