NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN11-3M104J [T,B]

RESISTANCE(at25℃)	100000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3590 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	2.101E+006	2.446E+006	2.840E+006
-39	1.982E+006	2.303E+006	2.669E+006
-38	1.870E+006	2.169E+006	2.509E+006
-37	1.766E+006	2.044E+006	2.359E+006
-36	1.668E+006	1.927E+006	2.220E+006
-35	1.576E+006	1.817E+006	2.090E+006
-34	1.490E+006	1.714E+006	1.968E+006
-33	1.409E+006	1.618E+006	1.854E+006
-32	1.333E+006	1.528E+006	1.747E+006
-31	1.261E+006	1.443E+006	1.647E+006
-30	1.194E+006	1.364E+006	1.554E+006
-29	1.131E+006	1.289E+006	1.466E+006
-28	1.071E+006	1.219E+006	1.384E+006
-27	1.015E+006	1.154E+006	1.307E+006
-26	9.628E+005	1.092E+006	1.235E+006
-25	9.132E+005	1.034E+006	1.167E+006
-24	8.664E+005	9.791E+005	1.104E+006
-23	8.223E+005	9.277E+005	1.044E+006
-22	7.807E+005	8.792E+005	9.878E+005
-21	7.414E+005	8.336E+005	9.349E+005
-20	7.044E+005	7.906E+005	8.852E+005
-19	6.693E+005	7.500E+005	8.383E+005
-18	6.362E+005	7.118E+005	7.942E+005
-17	6.050E+005	6.757E+005	7.528E+005
-16	5.755E+005	6.417E+005	7.137E+005
-15	5.476E+005	6.096E+005	6.769E+005
-14	5.213E+005	5.793E+005	6.423E+005
-13	4.963E+005	5.508E+005	6.096E+005
-12	4.728E+005	5.238E+005	5.788E+005
-11	4.505E+005	4.983E+005	5.498E+005
-10	4.293E+005	4.742E+005	5.224E+005
-9	4.094E+005	4.515E+005	4.966E+005
-8	3.905E+005	4.300E+005	4.722E+005
-7	3.726E+005	4.096E+005	4.492E+005
-6	3.556E+005	3.903E+005	4.274E+005
-5	3.394E+005	3.720E+005	4.067E+005
-4	3.241E+005	3.547E+005	3.872E+005
-3	3.095E+005	3.383E+005	3.687E+005
-2	2.957E+005	3.227E+005	3.512E+005
-1	2.826E+005	3.079E+005	3.347E+005
0	2.701E+005	2.939E+005	3.190E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.701E+005	2.939E+005	3.190E+005
1	2.583E+005	2.806E+005	3.041E+005
2	2.470E+005	2.680E+005	2.900E+005
3	2.363E+005	2.560E+005	2.766E+005
4	2.261E+005	2.446E+005	2.639E+005
5	2.164E+005	2.338E+005	2.519E+005
6	2.072E+005	2.235E+005	2.405E+005
7	1.984E+005	2.137E+005	2.297E+005
8	1.900E+005	2.045E+005	2.194E+005
9	1.821E+005	1.956E+005	2.097E+005
10	1.745E+005	1.872E+005	2.004E+005
11	1.673E+005	1.793E+005	1.916E+005
12	1.604E+005	1.716E+005	1.832E+005
13	1.538E+005	1.644E+005	1.753E+005
14	1.476E+005	1.575E+005	1.677E+005
15	1.416E+005	1.510E+005	1.605E+005
16	1.359E+005	1.447E+005	1.537E+005
17	1.305E+005	1.388E+005	1.472E+005
18	1.253E+005	1.331E+005	1.409E+005
19	1.204E+005	1.277E+005	1.350E+005
20	1.157E+005	1.225E+005	1.294E+005
21	1.111E+005	1.176E+005	1.241E+005
22	1.068E+005	1.129E+005	1.189E+005
23	1.027E+005	1.084E+005	1.141E+005
24	9.877E+004	1.041E+005	1.094E+005
25	9.500E+004	1.000E+005	1.050E+005
26	9.117E+004	9.609E+004	1.010E+005
27	8.752E+004	9.235E+004	9.720E+004
28	8.404E+004	8.878E+004	9.356E+004
29	8.071E+004	8.537E+004	9.006E+004
30	7.753E+004	8.210E+004	8.672E+004
31	7.450E+004	7.898E+004	8.352E+004
32	7.160E+004	7.599E+004	8.046E+004
33	6.883E+004	7.314E+004	7.752E+004
34	6.618E+004	7.040E+004	7.471E+004
35	6.365E+004	6.778E+004	7.201E+004
36	6.122E+004	6.528E+004	6.943E+004
37	5.891E+004	6.288E+004	6.695E+004
38	5.669E+004	6.058E+004	6.458E+004
39	5.457E+004	5.838E+004	6.230E+004
40	5.254E+004	5.627E+004	6.012E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.254E+004	5.627E+004	6.012E+004
41	5.060E+004	5.425E+004	5.802E+004
42	4.874E+004	5.231E+004	5.601E+004
43	4.696E+004	5.046E+004	5.408E+004
44	4.525E+004	4.868E+004	5.223E+004
45	4.362E+004	4.697E+004	5.045E+004
46	4.205E+004	4.533E+004	4.874E+004
47	4.055E+004	4.375E+004	4.709E+004
48	3.910E+004	4.224E+004	4.552E+004
49	3.772E+004	4.079E+004	4.400E+004
50	3.639E+004	3.940E+004	4.254E+004
51	3.512E+004	3.805E+004	4.113E+004
52	3.390E+004	3.677E+004	3.978E+004
53	3.272E+004	3.553E+004	3.848E+004
54	3.159E+004	3.434E+004	3.723E+004
55	3.051E+004	3.319E+004	3.602E+004
56	2.947E+004	3.209E+004	3.486E+004
57	2.847E+004	3.103E+004	3.375E+004
58	2.751E+004	3.002E+004	3.267E+004
59	2.658E+004	2.904E+004	3.164E+004
60	2.570E+004	2.810E+004	3.064E+004
61	2.484E+004	2.719E+004	2.968E+004
62	2.402E+004	2.631E+004	2.875E+004
63	2.323E+004	2.547E+004	2.786E+004
64	2.247E+004	2.466E+004	2.700E+004
65	2.174E+004	2.388E+004	2.617E+004
66	2.104E+004	2.313E+004	2.537E+004
67	2.036E+004	2.241E+004	2.460E+004
68	1.971E+004	2.171E+004	2.386E+004
69	1.908E+004	2.104E+004	2.314E+004
70	1.848E+004	2.039E+004	2.245E+004
71	1.790E+004	1.977E+004	2.179E+004
72	1.734E+004	1.917E+004	2.115E+004
73	1.680E+004	1.859E+004	2.053E+004
74	1.628E+004	1.804E+004	1.993E+004
75	1.578E+004	1.750E+004	1.935E+004
76	1.530E+004	1.698E+004	1.879E+004
77	1.483E+004	1.648E+004	1.825E+004
78	1.438E+004	1.599E+004	1.773E+004
79	1.395E+004	1.552E+004	1.723E+004
80	1.353E+004	1.507E+004	1.674E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.353E+004	1.507E+004	1.674E+004
81	1.313E+004	1.463E+004	1.627E+004
82	1.274E+004	1.421E+004	1.581E+004
83	1.236E+004	1.380E+004	1.537E+004
84	1.200E+004	1.341E+004	1.494E+004
85	1.165E+004	1.303E+004	1.453E+004
86	1.131E+004	1.266E+004	1.413E+004
87	1.098E+004	1.230E+004	1.374E+004
88	1.066E+004	1.195E+004	1.337E+004
89	1.035E+004	1.162E+004	1.300E+004
90	1.006E+004	1.129E+004	1.265E+004
91	9.767E+003	1.098E+004	1.231E+004
92	9.487E+003	1.067E+004	1.197E+004
93	9.217E+003	1.038E+004	1.165E+004
94	8.956E+003	1.009E+004	1.134E+004
95	8.703E+003	9.813E+003	1.104E+004
96	8.459E+003	9.545E+003	1.074E+004
97	8.223E+003	9.285E+003	1.046E+004
98	7.994E+003	9.034E+003	1.018E+004
99	7.773E+003	8.791E+003	9.918E+003
100	7.559E+003	8.556E+003	9.660E+003
101	7.352E+003	8.328E+003	9.410E+003
102	7.152E+003	8.108E+003	9.168E+003
103	6.958E+003	7.894E+003	8.933E+003
104	6.770E+003	7.687E+003	8.706E+003
105	6.589E+003	7.486E+003	8.485E+003
106	6.412E+003	7.292E+003	8.270E+003
107	6.242E+003	7.103E+003	8.062E+003
108	6.077E+003	6.920E+003	7.861E+003
109	5.917E+003	6.743E+003	7.665E+003
110	5.761E+003	6.571E+003	7.475E+003
111	5.611E+003	6.404E+003	7.291E+003
112	5.466E+003	6.242E+003	7.112E+003
113	5.324E+003	6.085E+003	6.938E+003
114	5.187E+003	5.933E+003	6.769E+003
115	5.054E+003	5.785E+003	6.605E+003
116	4.926E+003	5.642E+003	6.446E+003
117	4.800E+003	5.502E+003	6.291E+003
118	4.679E+003	5.367E+003	6.141E+003
119	4.561E+003	5.236E+003	5.995E+003
120	4.447E+003	5.108E+003	5.852E+003
121	4.336E+003	4.984E+003	5.714E+003
122	4.228E+003	4.863E+003	5.580E+003
123	4.124E+003	4.746E+003	5.449E+003
124	4.022E+003	4.632E+003	5.322E+003
125	3.923E+003	4.522E+003	5.199E+003