NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN11-3W474J [T,B]

RESISTANCE(at25℃)	470000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3940 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.256E+007	1.477E+007	1.732E+007
-39	1.181E+007	1.386E+007	1.622E+007
-38	1.111E+007	1.301E+007	1.519E+007
-37	1.046E+007	1.221E+007	1.423E+007
-36	9.843E+006	1.147E+007	1.334E+007
-35	9.269E+006	1.078E+007	1.251E+007
-34	8.732E+006	1.014E+007	1.174E+007
-33	8.229E+006	9.532E+006	1.101E+007
-32	7.757E+006	8.967E+006	1.034E+007
-31	7.315E+006	8.439E+006	9.712E+006
-30	6.900E+006	7.945E+006	9.125E+006
-29	6.512E+006	7.483E+006	8.577E+006
-28	6.147E+006	7.049E+006	8.064E+006
-27	5.805E+006	6.644E+006	7.585E+006
-26	5.483E+006	6.264E+006	7.138E+006
-25	5.181E+006	5.907E+006	6.719E+006
-24	4.897E+006	5.573E+006	6.326E+006
-23	4.631E+006	5.260E+006	5.959E+006
-22	4.380E+006	4.966E+006	5.616E+006
-21	4.144E+006	4.690E+006	5.294E+006
-20	3.923E+006	4.431E+006	4.992E+006
-19	3.714E+006	4.187E+006	4.708E+006
-18	3.517E+006	3.958E+006	4.443E+006
-17	3.332E+006	3.743E+006	4.194E+006
-16	3.157E+006	3.541E+006	3.960E+006
-15	2.993E+006	3.350E+006	3.741E+006
-14	2.838E+006	3.171E+006	3.535E+006
-13	2.692E+006	3.003E+006	3.341E+006
-12	2.555E+006	2.845E+006	3.159E+006
-11	2.425E+006	2.695E+006	2.988E+006
-10	2.302E+006	2.555E+006	2.828E+006
-9	2.187E+006	2.422E+006	2.676E+006
-8	2.077E+006	2.297E+006	2.534E+006
-7	1.974E+006	2.180E+006	2.400E+006
-6	1.877E+006	2.068E+006	2.274E+006
-5	1.784E+006	1.964E+006	2.155E+006
-4	1.697E+006	1.865E+006	2.043E+006
-3	1.615E+006	1.771E+006	1.938E+006
-2	1.537E+006	1.683E+006	1.838E+006
-1	1.463E+006	1.600E+006	1.744E+006
0	1.393E+006	1.521E+006	1.656E+006

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.393E+006	1.521E+006	1.656E+006
1	1.327E+006	1.446E+006	1.572E+006
2	1.264E+006	1.376E+006	1.493E+006
3	1.205E+006	1.309E+006	1.418E+006
4	1.149E+006	1.246E+006	1.348E+006
5	1.095E+006	1.186E+006	1.281E+006
6	1.045E+006	1.130E+006	1.219E+006
7	9.966E+005	1.076E+006	1.159E+006
8	9.511E+005	1.025E+006	1.103E+006
9	9.079E+005	9.774E+005	1.050E+006
10	8.668E+005	9.318E+005	9.992E+005
11	8.279E+005	8.887E+005	9.515E+005
12	7.909E+005	8.477E+005	9.064E+005
13	7.558E+005	8.089E+005	8.636E+005
14	7.224E+005	7.720E+005	8.230E+005
15	6.906E+005	7.370E+005	7.846E+005
16	6.604E+005	7.038E+005	7.482E+005
17	6.317E+005	6.723E+005	7.136E+005
18	6.044E+005	6.423E+005	6.809E+005
19	5.784E+005	6.138E+005	6.498E+005
20	5.536E+005	5.867E+005	6.203E+005
21	5.301E+005	5.610E+005	5.922E+005
22	5.076E+005	5.365E+005	5.656E+005
23	4.863E+005	5.132E+005	5.403E+005
24	4.659E+005	4.911E+005	5.163E+005
25	4.465E+005	4.700E+005	4.935E+005
26	4.269E+005	4.499E+005	4.731E+005
27	4.082E+005	4.308E+005	4.536E+005
28	3.904E+005	4.126E+005	4.350E+005
29	3.736E+005	3.953E+005	4.172E+005
30	3.575E+005	3.788E+005	4.003E+005
31	3.422E+005	3.630E+005	3.842E+005
32	3.276E+005	3.480E+005	3.688E+005
33	3.138E+005	3.337E+005	3.540E+005
34	3.005E+005	3.201E+005	3.400E+005
35	2.880E+005	3.070E+005	3.266E+005
36	2.760E+005	2.946E+005	3.137E+005
37	2.645E+005	2.827E+005	3.015E+005
38	2.536E+005	2.714E+005	2.898E+005
39	2.432E+005	2.606E+005	2.786E+005
40	2.333E+005	2.503E+005	2.678E+005

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.333E+005	2.503E+005	2.678E+005
41	2.238E+005	2.404E+005	2.576E+005
42	2.148E+005	2.310E+005	2.478E+005
43	2.062E+005	2.220E+005	2.384E+005
44	1.980E+005	2.134E+005	2.295E+005
45	1.901E+005	2.052E+005	2.209E+005
46	1.826E+005	1.973E+005	2.126E+005
47	1.754E+005	1.898E+005	2.048E+005
48	1.686E+005	1.826E+005	1.972E+005
49	1.620E+005	1.757E+005	1.900E+005
50	1.558E+005	1.691E+005	1.831E+005
51	1.498E+005	1.628E+005	1.764E+005
52	1.441E+005	1.567E+005	1.701E+005
53	1.386E+005	1.509E+005	1.640E+005
54	1.333E+005	1.454E+005	1.581E+005
55	1.283E+005	1.401E+005	1.525E+005
56	1.235E+005	1.350E+005	1.471E+005
57	1.189E+005	1.301E+005	1.419E+005
58	1.145E+005	1.254E+005	1.369E+005
59	1.103E+005	1.209E+005	1.322E+005
60	1.062E+005	1.166E+005	1.276E+005
61	1.023E+005	1.124E+005	1.232E+005
62	9.861E+004	1.084E+005	1.190E+005
63	9.504E+004	1.046E+005	1.149E+005
64	9.162E+004	1.010E+005	1.110E+005
65	8.834E+004	9.745E+004	1.072E+005
66	8.519E+004	9.408E+004	1.036E+005
67	8.217E+004	9.083E+004	1.002E+005
68	7.927E+004	8.772E+004	9.682E+004
69	7.649E+004	8.472E+004	9.361E+004
70	7.381E+004	8.184E+004	9.052E+004
71	7.125E+004	7.908E+004	8.755E+004
72	6.878E+004	7.642E+004	8.469E+004
73	6.641E+004	7.386E+004	8.194E+004
74	6.414E+004	7.140E+004	7.928E+004
75	6.195E+004	6.903E+004	7.673E+004
76	5.985E+004	6.676E+004	7.427E+004
77	5.783E+004	6.456E+004	7.190E+004
78	5.589E+004	6.246E+004	6.962E+004
79	5.402E+004	6.043E+004	6.742E+004
80	5.222E+004	5.847E+004	6.530E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.222E+004	5.847E+004	6.530E+004
81	5.049E+004	5.659E+004	6.326E+004
82	4.883E+004	5.478E+004	6.129E+004
83	4.723E+004	5.303E+004	5.939E+004
84	4.569E+004	5.135E+004	5.756E+004
85	4.420E+004	4.972E+004	5.580E+004
86	4.277E+004	4.816E+004	5.409E+004
87	4.140E+004	4.666E+004	5.245E+004
88	4.007E+004	4.520E+004	5.086E+004
89	3.880E+004	4.380E+004	4.933E+004
90	3.757E+004	4.245E+004	4.785E+004
91	3.638E+004	4.115E+004	4.643E+004
92	3.524E+004	3.989E+004	4.505E+004
93	3.414E+004	3.868E+004	4.372E+004
94	3.308E+004	3.751E+004	4.243E+004
95	3.205E+004	3.638E+004	4.119E+004
96	3.107E+004	3.529E+004	3.999E+004
97	3.011E+004	3.424E+004	3.883E+004
98	2.919E+004	3.322E+004	3.771E+004
99	2.831E+004	3.224E+004	3.663E+004
100	2.745E+004	3.129E+004	3.558E+004
101	2.663E+004	3.038E+004	3.457E+004
102	2.583E+004	2.949E+004	3.359E+004
103	2.506E+004	2.864E+004	3.265E+004
104	2.432E+004	2.781E+004	3.173E+004
105	2.360E+004	2.701E+004	3.084E+004
106	2.290E+004	2.624E+004	2.999E+004
107	2.223E+004	2.549E+004	2.916E+004
108	2.159E+004	2.477E+004	2.836E+004
109	2.096E+004	2.407E+004	2.758E+004
110	2.036E+004	2.340E+004	2.683E+004
111	1.977E+004	2.274E+004	2.610E+004
112	1.921E+004	2.211E+004	2.539E+004
113	1.866E+004	2.150E+004	2.471E+004
114	1.813E+004	2.091E+004	2.405E+004
115	1.762E+004	2.034E+004	2.341E+004
116	1.713E+004	1.978E+004	2.279E+004
117	1.665E+004	1.924E+004	2.219E+004
118	1.619E+004	1.872E+004	2.160E+004
119	1.574E+004	1.822E+004	2.104E+004
120	1.530E+004	1.773E+004	2.049E+004
121	1.488E+004	1.726E+004	1.996E+004
122	1.448E+004	1.680E+004	1.944E+004
123	1.408E+004	1.635E+004	1.894E+004
124	1.370E+004	1.592E+004	1.845E+004
125	1.333E+004	1.550E+004	1.798E+004