NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-4B473F[T,B]

RESISTANCE(at25℃)	47000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	4050 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.628E+006	1.708E+006	1.791E+006
-39	1.526E+006	1.600E+006	1.677E+006
-38	1.431E+006	1.499E+006	1.571E+006
-37	1.343E+006	1.406E+006	1.471E+006
-36	1.260E+006	1.318E+006	1.378E+006
-35	1.183E+006	1.236E+006	1.292E+006
-34	1.110E+006	1.160E+006	1.211E+006
-33	1.043E+006	1.088E+006	1.136E+006
-32	9.795E+005	1.022E+006	1.066E+006
-31	9.204E+005	9.594E+005	9.999E+005
-30	8.651E+005	9.011E+005	9.385E+005
-29	8.133E+005	8.466E+005	8.811E+005
-28	7.648E+005	7.956E+005	8.275E+005
-27	7.194E+005	7.479E+005	7.773E+005
-26	6.770E+005	7.033E+005	7.305E+005
-25	6.373E+005	6.616E+005	6.867E+005
-24	6.001E+005	6.225E+005	6.458E+005
-23	5.652E+005	5.860E+005	6.075E+005
-22	5.325E+005	5.518E+005	5.716E+005
-21	5.019E+005	5.197E+005	5.381E+005
-20	4.732E+005	4.897E+005	5.067E+005
-19	4.463E+005	4.615E+005	4.772E+005
-18	4.210E+005	4.351E+005	4.497E+005
-17	3.973E+005	4.104E+005	4.238E+005
-16	3.751E+005	3.872E+005	3.996E+005
-15	3.542E+005	3.654E+005	3.769E+005
-14	3.346E+005	3.450E+005	3.556E+005
-13	3.162E+005	3.258E+005	3.356E+005
-12	2.989E+005	3.078E+005	3.169E+005
-11	2.826E+005	2.909E+005	2.993E+005
-10	2.674E+005	2.750E+005	2.828E+005
-9	2.530E+005	2.600E+005	2.673E+005
-8	2.394E+005	2.460E+005	2.527E+005
-7	2.267E+005	2.328E+005	2.390E+005
-6	2.147E+005	2.203E+005	2.261E+005
-5	2.034E+005	2.086E+005	2.140E+005
-4	1.928E+005	1.976E+005	2.026E+005
-3	1.828E+005	1.873E+005	1.918E+005
-2	1.734E+005	1.775E+005	1.817E+005
-1	1.645E+005	1.683E+005	1.722E+005
0	1.561E+005	1.596E+005	1.632E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.561E+005	1.596E+005	1.632E+005
1	1.482E+005	1.515E+005	1.548E+005
2	1.407E+005	1.437E+005	1.468E+005
3	1.336E+005	1.365E+005	1.393E+005
4	1.270E+005	1.296E+005	1.322E+005
5	1.207E+005	1.231E+005	1.256E+005
6	1.148E+005	1.170E+005	1.193E+005
7	1.091E+005	1.112E+005	1.133E+005
8	1.038E+005	1.057E+005	1.077E+005
9	9.881E+004	1.006E+005	1.024E+005
10	9.406E+004	9.570E+004	9.735E+004
11	8.957E+004	9.108E+004	9.261E+004
12	8.531E+004	8.671E+004	8.812E+004
13	8.129E+004	8.258E+004	8.388E+004
14	7.747E+004	7.866E+004	7.986E+004
15	7.386E+004	7.496E+004	7.606E+004
16	7.043E+004	7.145E+004	7.247E+004
17	6.719E+004	6.812E+004	6.906E+004
18	6.411E+004	6.497E+004	6.583E+004
19	6.119E+004	6.198E+004	6.277E+004
20	5.842E+004	5.914E+004	5.987E+004
21	5.579E+004	5.646E+004	5.713E+004
22	5.329E+004	5.390E+004	5.452E+004
23	5.092E+004	5.148E+004	5.205E+004
24	4.867E+004	4.918E+004	4.970E+004
25	4.653E+004	4.700E+004	4.747E+004
26	4.446E+004	4.493E+004	4.540E+004
27	4.249E+004	4.295E+004	4.342E+004
28	4.062E+004	4.108E+004	4.155E+004
29	3.884E+004	3.930E+004	3.976E+004
30	3.715E+004	3.761E+004	3.807E+004
31	3.554E+004	3.600E+004	3.645E+004
32	3.401E+004	3.446E+004	3.492E+004
33	3.256E+004	3.300E+004	3.345E+004
34	3.117E+004	3.161E+004	3.206E+004
35	2.986E+004	3.029E+004	3.073E+004
36	2.860E+004	2.903E+004	2.946E+004
37	2.741E+004	2.783E+004	2.826E+004
38	2.627E+004	2.668E+004	2.711E+004
39	2.518E+004	2.559E+004	2.601E+004
40	2.415E+004	2.455E+004	2.496E+004

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TYPE	TH11-4B473F[T,B]

RESISTANCE(at25℃)	47000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	4050 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.415E+004	2.455E+004	2.496E+004
41	2.317E+004	2.356E+004	2.396E+004
42	2.223E+004	2.262E+004	2.301E+004
43	2.133E+004	2.171E+004	2.210E+004
44	2.047E+004	2.085E+004	2.123E+004
45	1.966E+004	2.003E+004	2.040E+004
46	1.888E+004	1.924E+004	1.961E+004
47	1.814E+004	1.849E+004	1.885E+004
48	1.743E+004	1.777E+004	1.813E+004
49	1.675E+004	1.709E+004	1.743E+004
50	1.610E+004	1.643E+004	1.677E+004
51	1.548E+004	1.581E+004	1.614E+004
52	1.489E+004	1.521E+004	1.553E+004
53	1.432E+004	1.463E+004	1.495E+004
54	1.378E+004	1.409E+004	1.440E+004
55	1.326E+004	1.356E+004	1.387E+004
56	1.276E+004	1.306E+004	1.336E+004
57	1.229E+004	1.258E+004	1.287E+004
58	1.184E+004	1.212E+004	1.241E+004
59	1.140E+004	1.168E+004	1.196E+004
60	1.098E+004	1.125E+004	1.153E+004
61	1.058E+004	1.085E+004	1.112E+004
62	1.020E+004	1.046E+004	1.073E+004
63	9.836E+003	1.009E+004	1.035E+004
64	9.484E+003	9.732E+003	9.985E+003
65	9.148E+003	9.390E+003	9.637E+003
66	8.825E+003	9.061E+003	9.304E+003
67	8.515E+003	8.746E+003	8.983E+003
68	8.218E+003	8.444E+003	8.676E+003
69	7.932E+003	8.154E+003	8.380E+003
70	7.659E+003	7.875E+003	8.097E+003
71	7.396E+003	7.607E+003	7.824E+003
72	7.143E+003	7.350E+003	7.562E+003
73	6.901E+003	7.103E+003	7.311E+003
74	6.668E+003	6.866E+003	7.069E+003
75	6.444E+003	6.638E+003	6.836E+003
76	6.229E+003	6.418E+003	6.613E+003
77	6.023E+003	6.208E+003	6.397E+003
78	5.824E+003	6.005E+003	6.190E+003
79	5.633E+003	5.810E+003	5.991E+003
80	5.449E+003	5.622E+003	5.799E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.449E+003	5.622E+003	5.799E+003
81	5.272E+003	5.441E+003	5.615E+003
82	5.102E+003	5.267E+003	5.437E+003
83	4.939E+003	5.100E+003	5.266E+003
84	4.781E+003	4.939E+003	5.101E+003
85	4.629E+003	4.784E+003	4.943E+003
86	4.483E+003	4.634E+003	4.790E+003
87	4.342E+003	4.490E+003	4.642E+003
88	4.207E+003	4.351E+003	4.500E+003
89	4.076E+003	4.217E+003	4.363E+003
90	3.950E+003	4.088E+003	4.231E+003
91	3.829E+003	3.964E+003	4.103E+003
92	3.712E+003	3.844E+003	3.980E+003
93	3.599E+003	3.728E+003	3.862E+003
94	3.490E+003	3.617E+003	3.747E+003
95	3.385E+003	3.509E+003	3.637E+003
96	3.284E+003	3.405E+003	3.530E+003
97	3.186E+003	3.305E+003	3.427E+003
98	3.092E+003	3.208E+003	3.327E+003
99	3.001E+003	3.114E+003	3.231E+003
100	2.913E+003	3.024E+003	3.139E+003
101	2.828E+003	2.937E+003	3.049E+003
102	2.746E+003	2.852E+003	2.962E+003
103	2.667E+003	2.771E+003	2.878E+003
104	2.590E+003	2.692E+003	2.797E+003
105	2.516E+003	2.616E+003	2.719E+003
106	2.445E+003	2.542E+003	2.643E+003
107	2.376E+003	2.471E+003	2.570E+003
108	2.309E+003	2.402E+003	2.499E+003
109	2.244E+003	2.336E+003	2.431E+003
110	2.182E+003	2.271E+003	2.364E+003
111	2.122E+003	2.209E+003	2.300E+003
112	2.063E+003	2.149E+003	2.238E+003
113	2.007E+003	2.091E+003	2.178E+003
114	1.952E+003	2.034E+003	2.120E+003
115	1.899E+003	1.979E+003	2.063E+003
116	1.847E+003	1.926E+003	2.008E+003
117	1.798E+003	1.875E+003	1.955E+003
118	1.750E+003	1.825E+003	1.904E+003
119	1.703E+003	1.777E+003	1.854E+003
120	1.658E+003	1.731E+003	1.806E+003
121	1.614E+003	1.685E+003	1.760E+003
122	1.572E+003	1.642E+003	1.714E+003
123	1.531E+003	1.599E+003	1.670E+003
124	1.491E+003	1.558E+003	1.628E+003
125	1.453E+003	1.518E+003	1.587E+003