NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-4B503F[T,B]

RESISTANCE(at25℃)	50000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	4050 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.732E+006	1.817E+006	1.906E+006
-39	1.624E+006	1.702E+006	1.784E+006
-38	1.523E+006	1.595E+006	1.671E+006
-37	1.428E+006	1.495E+006	1.565E+006
-36	1.340E+006	1.402E+006	1.466E+006
-35	1.258E+006	1.315E+006	1.374E+006
-34	1.181E+006	1.234E+006	1.289E+006
-33	1.109E+006	1.158E+006	1.208E+006
-32	1.042E+006	1.087E+006	1.134E+006
-31	9.792E+005	1.021E+006	1.064E+006
-30	9.203E+005	9.587E+005	9.985E+005
-29	8.652E+005	9.006E+005	9.373E+005
-28	8.136E+005	8.463E+005	8.803E+005
-27	7.654E+005	7.956E+005	8.270E+005
-26	7.202E+005	7.482E+005	7.771E+005
-25	6.779E+005	7.038E+005	7.306E+005
-24	6.384E+005	6.623E+005	6.870E+005
-23	6.013E+005	6.234E+005	6.462E+005
-22	5.665E+005	5.870E+005	6.081E+005
-21	5.340E+005	5.529E+005	5.724E+005
-20	5.034E+005	5.210E+005	5.390E+005
-19	4.748E+005	4.910E+005	5.077E+005
-18	4.479E+005	4.629E+005	4.784E+005
-17	4.227E+005	4.366E+005	4.509E+005
-16	3.990E+005	4.119E+005	4.251E+005
-15	3.768E+005	3.887E+005	4.010E+005
-14	3.560E+005	3.670E+005	3.783E+005
-13	3.364E+005	3.466E+005	3.571E+005
-12	3.180E+005	3.274E+005	3.371E+005
-11	3.007E+005	3.094E+005	3.184E+005
-10	2.844E+005	2.925E+005	3.008E+005
-9	2.691E+005	2.766E+005	2.843E+005
-8	2.547E+005	2.617E+005	2.688E+005
-7	2.412E+005	2.476E+005	2.542E+005
-6	2.284E+005	2.344E+005	2.405E+005
-5	2.164E+005	2.220E+005	2.276E+005
-4	2.051E+005	2.103E+005	2.155E+005
-3	1.945E+005	1.992E+005	2.041E+005
-2	1.844E+005	1.888E+005	1.933E+005
-1	1.750E+005	1.790E+005	1.832E+005
0	1.660E+005	1.698E+005	1.737E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.660E+005	1.698E+005	1.737E+005
1	1.576E+005	1.611E+005	1.647E+005
2	1.497E+005	1.529E+005	1.562E+005
3	1.422E+005	1.452E+005	1.482E+005
4	1.351E+005	1.379E+005	1.407E+005
5	1.284E+005	1.310E+005	1.336E+005
6	1.221E+005	1.245E+005	1.269E+005
7	1.161E+005	1.183E+005	1.205E+005
8	1.105E+005	1.125E+005	1.146E+005
9	1.051E+005	1.070E+005	1.089E+005
10	1.001E+005	1.018E+005	1.036E+005
11	9.529E+004	9.689E+004	9.852E+004
12	9.076E+004	9.225E+004	9.375E+004
13	8.648E+004	8.785E+004	8.923E+004
14	8.242E+004	8.368E+004	8.496E+004
15	7.857E+004	7.974E+004	8.092E+004
16	7.493E+004	7.601E+004	7.709E+004
17	7.148E+004	7.247E+004	7.347E+004
18	6.820E+004	6.911E+004	7.003E+004
19	6.509E+004	6.593E+004	6.678E+004
20	6.215E+004	6.292E+004	6.370E+004
21	5.935E+004	6.006E+004	6.077E+004
22	5.669E+004	5.734E+004	5.800E+004
23	5.417E+004	5.477E+004	5.537E+004
24	5.178E+004	5.232E+004	5.287E+004
25	4.950E+004	5.000E+004	5.050E+004
26	4.729E+004	4.779E+004	4.829E+004
27	4.520E+004	4.570E+004	4.620E+004
28	4.321E+004	4.370E+004	4.420E+004
29	4.132E+004	4.181E+004	4.230E+004
30	3.952E+004	4.001E+004	4.050E+004
31	3.781E+004	3.829E+004	3.878E+004
32	3.618E+004	3.666E+004	3.714E+004
33	3.463E+004	3.511E+004	3.559E+004
34	3.316E+004	3.363E+004	3.410E+004
35	3.176E+004	3.222E+004	3.269E+004
36	3.043E+004	3.088E+004	3.134E+004
37	2.916E+004	2.961E+004	3.006E+004
38	2.795E+004	2.839E+004	2.884E+004
39	2.679E+004	2.723E+004	2.767E+004
40	2.569E+004	2.612E+004	2.655E+004

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-4B503F[T,B]

RESISTANCE(at25℃)	50000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	4050 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.569E+004	2.612E+004	2.655E+004
41	2.464E+004	2.507E+004	2.549E+004
42	2.364E+004	2.406E+004	2.448E+004
43	2.269E+004	2.310E+004	2.351E+004
44	2.178E+004	2.218E+004	2.259E+004
45	2.091E+004	2.131E+004	2.170E+004
46	2.008E+004	2.047E+004	2.086E+004
47	1.929E+004	1.967E+004	2.005E+004
48	1.854E+004	1.891E+004	1.928E+004
49	1.782E+004	1.818E+004	1.855E+004
50	1.713E+004	1.748E+004	1.784E+004
51	1.647E+004	1.681E+004	1.717E+004
52	1.584E+004	1.618E+004	1.652E+004
53	1.523E+004	1.557E+004	1.591E+004
54	1.466E+004	1.498E+004	1.532E+004
55	1.411E+004	1.443E+004	1.475E+004
56	1.358E+004	1.389E+004	1.421E+004
57	1.307E+004	1.338E+004	1.369E+004
58	1.259E+004	1.289E+004	1.320E+004
59	1.213E+004	1.242E+004	1.272E+004
60	1.168E+004	1.197E+004	1.227E+004
61	1.126E+004	1.154E+004	1.183E+004
62	1.085E+004	1.113E+004	1.141E+004
63	1.046E+004	1.073E+004	1.101E+004
64	1.009E+004	1.035E+004	1.062E+004
65	9.732E+003	9.989E+003	1.025E+004
66	9.388E+003	9.640E+003	9.897E+003
67	9.058E+003	9.305E+003	9.557E+003
68	8.742E+003	8.983E+003	9.230E+003
69	8.439E+003	8.674E+003	8.915E+003
70	8.147E+003	8.378E+003	8.614E+003
71	7.868E+003	8.093E+003	8.324E+003
72	7.599E+003	7.820E+003	8.045E+003
73	7.342E+003	7.557E+003	7.777E+003
74	7.094E+003	7.304E+003	7.520E+003
75	6.856E+003	7.062E+003	7.273E+003
76	6.627E+003	6.828E+003	7.035E+003
77	6.407E+003	6.604E+003	6.806E+003
78	6.196E+003	6.388E+003	6.586E+003
79	5.992E+003	6.180E+003	6.374E+003
80	5.797E+003	5.981E+003	6.170E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.797E+003	5.981E+003	6.170E+003
81	5.609E+003	5.789E+003	5.973E+003
82	5.428E+003	5.604E+003	5.784E+003
83	5.254E+003	5.426E+003	5.602E+003
84	5.086E+003	5.254E+003	5.427E+003
85	4.925E+003	5.089E+003	5.258E+003
86	4.769E+003	4.930E+003	5.095E+003
87	4.619E+003	4.777E+003	4.938E+003
88	4.475E+003	4.629E+003	4.787E+003
89	4.336E+003	4.486E+003	4.641E+003
90	4.202E+003	4.349E+003	4.501E+003
91	4.073E+003	4.217E+003	4.365E+003
92	3.949E+003	4.089E+003	4.234E+003
93	3.829E+003	3.966E+003	4.108E+003
94	3.713E+003	3.847E+003	3.986E+003
95	3.601E+003	3.733E+003	3.869E+003
96	3.494E+003	3.622E+003	3.755E+003
97	3.390E+003	3.515E+003	3.646E+003
98	3.289E+003	3.412E+003	3.540E+003
99	3.192E+003	3.313E+003	3.438E+003
100	3.099E+003	3.217E+003	3.339E+003
101	3.009E+003	3.124E+003	3.243E+003
102	2.921E+003	3.034E+003	3.151E+003
103	2.837E+003	2.948E+003	3.062E+003
104	2.756E+003	2.864E+003	2.976E+003
105	2.677E+003	2.783E+003	2.893E+003
106	2.601E+003	2.705E+003	2.812E+003
107	2.528E+003	2.629E+003	2.734E+003
108	2.456E+003	2.556E+003	2.659E+003
109	2.388E+003	2.485E+003	2.586E+003
110	2.321E+003	2.416E+003	2.515E+003
111	2.257E+003	2.350E+003	2.447E+003
112	2.195E+003	2.286E+003	2.381E+003
113	2.135E+003	2.224E+003	2.317E+003
114	2.076E+003	2.164E+003	2.255E+003
115	2.020E+003	2.106E+003	2.195E+003
116	1.965E+003	2.049E+003	2.137E+003
117	1.913E+003	1.995E+003	2.080E+003
118	1.861E+003	1.942E+003	2.026E+003
119	1.812E+003	1.891E+003	1.973E+003
120	1.764E+003	1.841E+003	1.922E+003
121	1.717E+003	1.793E+003	1.872E+003
122	1.672E+003	1.746E+003	1.824E+003
123	1.629E+003	1.701E+003	1.777E+003
124	1.586E+003	1.658E+003	1.732E+003
125	1.545E+003	1.615E+003	1.688E+003