NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH20-3M503F[T,B]

RESISTANCE(at25℃)	50000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3590 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.171E+006	1.223E+006	1.277E+006
-39	1.103E+006	1.151E+006	1.202E+006
-38	1.040E+006	1.084E+006	1.131E+006
-37	9.802E+005	1.022E+006	1.065E+006
-36	9.246E+005	9.633E+005	1.004E+006
-35	8.726E+005	9.085E+005	9.459E+005
-34	8.237E+005	8.572E+005	8.918E+005
-33	7.780E+005	8.090E+005	8.412E+005
-32	7.351E+005	7.639E+005	7.938E+005
-31	6.948E+005	7.216E+005	7.494E+005
-30	6.569E+005	6.819E+005	7.077E+005
-29	6.215E+005	6.447E+005	6.687E+005
-28	5.881E+005	6.097E+005	6.321E+005
-27	5.567E+005	5.769E+005	5.976E+005
-26	5.272E+005	5.460E+005	5.653E+005
-25	4.995E+005	5.169E+005	5.349E+005
-24	4.733E+005	4.896E+005	5.063E+005
-23	4.487E+005	4.638E+005	4.794E+005
-22	4.255E+005	4.396E+005	4.541E+005
-21	4.037E+005	4.168E+005	4.303E+005
-20	3.831E+005	3.953E+005	4.079E+005
-19	3.636E+005	3.750E+005	3.867E+005
-18	3.452E+005	3.559E+005	3.668E+005
-17	3.279E+005	3.378E+005	3.480E+005
-16	3.116E+005	3.208E+005	3.303E+005
-15	2.962E+005	3.048E+005	3.137E+005
-14	2.816E+005	2.897E+005	2.979E+005
-13	2.679E+005	2.754E+005	2.831E+005
-12	2.549E+005	2.619E+005	2.691E+005
-11	2.426E+005	2.491E+005	2.558E+005
-10	2.310E+005	2.371E+005	2.433E+005
-9	2.200E+005	2.257E+005	2.316E+005
-8	2.097E+005	2.150E+005	2.204E+005
-7	1.998E+005	2.048E+005	2.099E+005
-6	1.905E+005	1.951E+005	1.999E+005
-5	1.817E+005	1.860E+005	1.904E+005
-4	1.733E+005	1.773E+005	1.815E+005
-3	1.654E+005	1.691E+005	1.730E+005
-2	1.578E+005	1.613E+005	1.649E+005
-1	1.507E+005	1.540E+005	1.573E+005
0	1.439E+005	1.470E+005	1.501E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.439E+005	1.470E+005	1.501E+005
1	1.374E+005	1.403E+005	1.432E+005
2	1.313E+005	1.340E+005	1.367E+005
3	1.255E+005	1.280E+005	1.305E+005
4	1.200E+005	1.223E+005	1.246E+005
5	1.147E+005	1.169E+005	1.191E+005
6	1.097E+005	1.117E+005	1.138E+005
7	1.050E+005	1.069E+005	1.088E+005
8	1.005E+005	1.022E+005	1.040E+005
9	9.618E+004	9.782E+004	9.947E+004
10	9.209E+004	9.362E+004	9.516E+004
11	8.820E+004	8.963E+004	9.106E+004
12	8.450E+004	8.582E+004	8.716E+004
13	8.097E+004	8.221E+004	8.345E+004
14	7.762E+004	7.876E+004	7.992E+004
15	7.441E+004	7.548E+004	7.656E+004
16	7.136E+004	7.236E+004	7.335E+004
17	6.846E+004	6.938E+004	7.030E+004
18	6.568E+004	6.654E+004	6.740E+004
19	6.304E+004	6.383E+004	6.463E+004
20	6.051E+004	6.125E+004	6.199E+004
21	5.810E+004	5.879E+004	5.947E+004
22	5.580E+004	5.643E+004	5.707E+004
23	5.360E+004	5.419E+004	5.478E+004
24	5.151E+004	5.205E+004	5.259E+004
25	4.950E+004	5.000E+004	5.050E+004
26	4.754E+004	4.804E+004	4.854E+004
27	4.568E+004	4.618E+004	4.668E+004
28	4.389E+004	4.439E+004	4.489E+004
29	4.219E+004	4.268E+004	4.318E+004
30	4.056E+004	4.105E+004	4.154E+004
31	3.900E+004	3.949E+004	3.998E+004
32	3.751E+004	3.800E+004	3.848E+004
33	3.609E+004	3.657E+004	3.705E+004
34	3.473E+004	3.520E+004	3.568E+004
35	3.342E+004	3.389E+004	3.437E+004
36	3.218E+004	3.264E+004	3.311E+004
37	3.098E+004	3.144E+004	3.190E+004
38	2.984E+004	3.029E+004	3.075E+004
39	2.874E+004	2.919E+004	2.964E+004
40	2.769E+004	2.814E+004	2.858E+004

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RESISTANCE(at25℃)	50000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3590 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.769E+004	2.814E+004	2.858E+004
41	2.669E+004	2.713E+004	2.757E+004
42	2.573E+004	2.616E+004	2.659E+004
43	2.481E+004	2.523E+004	2.566E+004
44	2.392E+004	2.434E+004	2.476E+004
45	2.307E+004	2.348E+004	2.390E+004
46	2.226E+004	2.266E+004	2.307E+004
47	2.148E+004	2.188E+004	2.228E+004
48	2.073E+004	2.112E+004	2.152E+004
49	2.001E+004	2.039E+004	2.078E+004
50	1.932E+004	1.970E+004	2.008E+004
51	1.866E+004	1.903E+004	1.940E+004
52	1.802E+004	1.838E+004	1.875E+004
53	1.741E+004	1.776E+004	1.813E+004
54	1.682E+004	1.717E+004	1.753E+004
55	1.625E+004	1.660E+004	1.695E+004
56	1.571E+004	1.605E+004	1.639E+004
57	1.518E+004	1.552E+004	1.586E+004
58	1.468E+004	1.501E+004	1.534E+004
59	1.420E+004	1.452E+004	1.485E+004
60	1.373E+004	1.405E+004	1.437E+004
61	1.328E+004	1.359E+004	1.391E+004
62	1.285E+004	1.316E+004	1.347E+004
63	1.244E+004	1.274E+004	1.304E+004
64	1.204E+004	1.233E+004	1.263E+004
65	1.165E+004	1.194E+004	1.223E+004
66	1.128E+004	1.157E+004	1.185E+004
67	1.093E+004	1.120E+004	1.149E+004
68	1.058E+004	1.086E+004	1.113E+004
69	1.025E+004	1.052E+004	1.079E+004
70	9.936E+003	1.020E+004	1.046E+004
71	9.630E+003	9.886E+003	1.015E+004
72	9.336E+003	9.586E+003	9.842E+003
73	9.052E+003	9.297E+003	9.548E+003
74	8.777E+003	9.018E+003	9.264E+003
75	8.513E+003	8.749E+003	8.990E+003
76	8.257E+003	8.489E+003	8.726E+003
77	8.011E+003	8.238E+003	8.470E+003
78	7.773E+003	7.995E+003	8.223E+003
79	7.543E+003	7.761E+003	7.985E+003
80	7.321E+003	7.535E+003	7.754E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	7.321E+003	7.535E+003	7.754E+003
81	7.107E+003	7.316E+003	7.532E+003
82	6.900E+003	7.105E+003	7.316E+003
83	6.700E+003	6.901E+003	7.108E+003
84	6.506E+003	6.704E+003	6.907E+003
85	6.319E+003	6.513E+003	6.712E+003
86	6.138E+003	6.328E+003	6.523E+003
87	5.963E+003	6.149E+003	6.341E+003
88	5.793E+003	5.976E+003	6.164E+003
89	5.629E+003	5.809E+003	5.993E+003
90	5.471E+003	5.646E+003	5.827E+003
91	5.316E+003	5.488E+003	5.666E+003
92	5.167E+003	5.336E+003	5.509E+003
93	5.022E+003	5.188E+003	5.358E+003
94	4.883E+003	5.045E+003	5.212E+003
95	4.747E+003	4.906E+003	5.070E+003
96	4.616E+003	4.772E+003	4.933E+003
97	4.490E+003	4.643E+003	4.800E+003
98	4.367E+003	4.517E+003	4.672E+003
99	4.249E+003	4.396E+003	4.547E+003
100	4.134E+003	4.278E+003	4.427E+003
101	4.023E+003	4.164E+003	4.310E+003
102	3.915E+003	4.054E+003	4.197E+003
103	3.811E+003	3.947E+003	4.087E+003
104	3.710E+003	3.843E+003	3.981E+003
105	3.612E+003	3.743E+003	3.878E+003
106	3.518E+003	3.646E+003	3.778E+003
107	3.426E+003	3.551E+003	3.681E+003
108	3.337E+003	3.460E+003	3.587E+003
109	3.250E+003	3.371E+003	3.496E+003
110	3.167E+003	3.285E+003	3.408E+003
111	3.086E+003	3.202E+003	3.322E+003
112	3.007E+003	3.121E+003	3.239E+003
113	2.931E+003	3.043E+003	3.159E+003
114	2.857E+003	2.967E+003	3.080E+003
115	2.785E+003	2.893E+003	3.004E+003
116	2.715E+003	2.821E+003	2.930E+003
117	2.647E+003	2.751E+003	2.859E+003
118	2.582E+003	2.684E+003	2.789E+003
119	2.518E+003	2.618E+003	2.721E+003
120	2.456E+003	2.554E+003	2.656E+003
121	2.396E+003	2.492E+003	2.592E+003
122	2.337E+003	2.432E+003	2.530E+003
123	2.280E+003	2.373E+003	2.469E+003
124	2.225E+003	2.316E+003	2.411E+003
125	2.172E+003	2.261E+003	2.354E+003