NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH20-3W503F[T,B]

RESISTANCE(at25℃)	50000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3950 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.316E+006	1.380E+006	1.446E+006
-39	1.238E+006	1.297E+006	1.358E+006
-38	1.165E+006	1.219E+006	1.276E+006
-37	1.097E+006	1.147E+006	1.199E+006
-36	1.033E+006	1.079E+006	1.128E+006
-35	9.731E+005	1.016E+006	1.061E+006
-34	9.172E+005	9.572E+005	9.989E+005
-33	8.649E+005	9.020E+005	9.406E+005
-32	8.159E+005	8.503E+005	8.861E+005
-31	7.700E+005	8.019E+005	8.351E+005
-30	7.269E+005	7.566E+005	7.874E+005
-29	6.865E+005	7.141E+005	7.427E+005
-28	6.486E+005	6.742E+005	7.008E+005
-27	6.131E+005	6.369E+005	6.615E+005
-26	5.797E+005	6.018E+005	6.247E+005
-25	5.483E+005	5.689E+005	5.901E+005
-24	5.189E+005	5.380E+005	5.577E+005
-23	4.912E+005	5.089E+005	5.272E+005
-22	4.651E+005	4.816E+005	4.986E+005
-21	4.406E+005	4.559E+005	4.718E+005
-20	4.175E+005	4.318E+005	4.465E+005
-19	3.957E+005	4.090E+005	4.227E+005
-18	3.752E+005	3.876E+005	4.003E+005
-17	3.559E+005	3.674E+005	3.792E+005
-16	3.377E+005	3.484E+005	3.594E+005
-15	3.206E+005	3.305E+005	3.408E+005
-14	3.044E+005	3.137E+005	3.232E+005
-13	2.891E+005	2.977E+005	3.066E+005
-12	2.747E+005	2.827E+005	2.910E+005
-11	2.611E+005	2.686E+005	2.762E+005
-10	2.482E+005	2.552E+005	2.623E+005
-9	2.361E+005	2.425E+005	2.492E+005
-8	2.245E+005	2.306E+005	2.368E+005
-7	2.137E+005	2.193E+005	2.250E+005
-6	2.034E+005	2.086E+005	2.140E+005
-5	1.937E+005	1.985E+005	2.035E+005
-4	1.844E+005	1.890E+005	1.936E+005
-3	1.757E+005	1.800E+005	1.843E+005
-2	1.675E+005	1.714E+005	1.754E+005
-1	1.596E+005	1.633E+005	1.670E+005
0	1.522E+005	1.556E+005	1.591E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.522E+005	1.556E+005	1.591E+005
1	1.452E+005	1.484E+005	1.516E+005
2	1.385E+005	1.415E+005	1.445E+005
3	1.322E+005	1.349E+005	1.377E+005
4	1.262E+005	1.287E+005	1.313E+005
5	1.205E+005	1.228E+005	1.253E+005
6	1.150E+005	1.172E+005	1.195E+005
7	1.099E+005	1.119E+005	1.140E+005
8	1.050E+005	1.069E+005	1.088E+005
9	1.003E+005	1.021E+005	1.039E+005
10	9.584E+004	9.749E+004	9.916E+004
11	9.163E+004	9.316E+004	9.471E+004
12	8.761E+004	8.903E+004	9.047E+004
13	8.378E+004	8.510E+004	8.643E+004
14	8.012E+004	8.134E+004	8.258E+004
15	7.664E+004	7.777E+004	7.891E+004
16	7.331E+004	7.436E+004	7.541E+004
17	7.014E+004	7.111E+004	7.208E+004
18	6.711E+004	6.801E+004	6.891E+004
19	6.423E+004	6.505E+004	6.588E+004
20	6.148E+004	6.224E+004	6.300E+004
21	5.885E+004	5.955E+004	6.025E+004
22	5.634E+004	5.699E+004	5.764E+004
23	5.395E+004	5.455E+004	5.514E+004
24	5.167E+004	5.222E+004	5.277E+004
25	4.950E+004	5.000E+004	5.050E+004
26	4.738E+004	4.788E+004	4.838E+004
27	4.536E+004	4.586E+004	4.636E+004
28	4.344E+004	4.394E+004	4.444E+004
29	4.161E+004	4.210E+004	4.260E+004
30	3.986E+004	4.035E+004	4.084E+004
31	3.819E+004	3.867E+004	3.916E+004
32	3.659E+004	3.708E+004	3.756E+004
33	3.507E+004	3.555E+004	3.603E+004
34	3.362E+004	3.410E+004	3.457E+004
35	3.224E+004	3.271E+004	3.318E+004
36	3.092E+004	3.138E+004	3.184E+004
37	2.966E+004	3.011E+004	3.057E+004
38	2.845E+004	2.890E+004	2.935E+004
39	2.730E+004	2.774E+004	2.819E+004
40	2.621E+004	2.664E+004	2.708E+004

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH20-3W503F[T,B]

RESISTANCE(at25℃)	50000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3950 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.621E+004	2.664E+004	2.708E+004
41	2.516E+004	2.559E+004	2.602E+004
42	2.416E+004	2.458E+004	2.500E+004
43	2.320E+004	2.361E+004	2.403E+004
44	2.229E+004	2.269E+004	2.310E+004
45	2.141E+004	2.181E+004	2.221E+004
46	2.058E+004	2.097E+004	2.136E+004
47	1.978E+004	2.016E+004	2.055E+004
48	1.901E+004	1.939E+004	1.977E+004
49	1.828E+004	1.865E+004	1.902E+004
50	1.758E+004	1.794E+004	1.831E+004
51	1.691E+004	1.726E+004	1.762E+004
52	1.627E+004	1.661E+004	1.697E+004
53	1.565E+004	1.599E+004	1.634E+004
54	1.506E+004	1.540E+004	1.573E+004
55	1.450E+004	1.483E+004	1.516E+004
56	1.396E+004	1.428E+004	1.460E+004
57	1.344E+004	1.375E+004	1.407E+004
58	1.295E+004	1.325E+004	1.356E+004
59	1.247E+004	1.277E+004	1.307E+004
60	1.202E+004	1.231E+004	1.261E+004
61	1.158E+004	1.187E+004	1.216E+004
62	1.116E+004	1.144E+004	1.173E+004
63	1.076E+004	1.103E+004	1.131E+004
64	1.038E+004	1.064E+004	1.092E+004
65	1.001E+004	1.027E+004	1.054E+004
66	9.653E+003	9.908E+003	1.017E+004
67	9.313E+003	9.562E+003	9.817E+003
68	8.986E+003	9.230E+003	9.479E+003
69	8.673E+003	8.911E+003	9.155E+003
70	8.371E+003	8.604E+003	8.842E+003
71	8.081E+003	8.309E+003	8.542E+003
72	7.803E+003	8.025E+003	8.253E+003
73	7.535E+003	7.752E+003	7.975E+003
74	7.278E+003	7.490E+003	7.708E+003
75	7.031E+003	7.239E+003	7.451E+003
76	6.794E+003	6.996E+003	7.204E+003
77	6.565E+003	6.764E+003	6.967E+003
78	6.346E+003	6.540E+003	6.738E+003
79	6.135E+003	6.324E+003	6.519E+003
80	5.932E+003	6.117E+003	6.307E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.932E+003	6.117E+003	6.307E+003
81	5.738E+003	5.918E+003	6.104E+003
82	5.550E+003	5.727E+003	5.908E+003
83	5.370E+003	5.542E+003	5.720E+003
84	5.196E+003	5.365E+003	5.538E+003
85	5.029E+003	5.194E+003	5.363E+003
86	4.868E+003	5.029E+003	5.195E+003
87	4.713E+003	4.870E+003	5.032E+003
88	4.563E+003	4.717E+003	4.876E+003
89	4.419E+003	4.570E+003	4.725E+003
90	4.281E+003	4.428E+003	4.579E+003
91	4.147E+003	4.291E+003	4.439E+003
92	4.018E+003	4.159E+003	4.304E+003
93	3.894E+003	4.031E+003	4.173E+003
94	3.774E+003	3.908E+003	4.047E+003
95	3.659E+003	3.790E+003	3.925E+003
96	3.547E+003	3.675E+003	3.808E+003
97	3.439E+003	3.565E+003	3.695E+003
98	3.336E+003	3.458E+003	3.585E+003
99	3.235E+003	3.355E+003	3.479E+003
100	3.139E+003	3.256E+003	3.377E+003
101	3.045E+003	3.160E+003	3.278E+003
102	2.955E+003	3.067E+003	3.183E+003
103	2.868E+003	2.977E+003	3.091E+003
104	2.784E+003	2.891E+003	3.002E+003
105	2.702E+003	2.807E+003	2.916E+003
106	2.624E+003	2.726E+003	2.833E+003
107	2.548E+003	2.648E+003	2.752E+003
108	2.474E+003	2.573E+003	2.674E+003
109	2.403E+003	2.499E+003	2.599E+003
110	2.335E+003	2.429E+003	2.526E+003
111	2.269E+003	2.360E+003	2.456E+003
112	2.204E+003	2.294E+003	2.388E+003
113	2.142E+003	2.230E+003	2.322E+003
114	2.082E+003	2.169E+003	2.258E+003
115	2.024E+003	2.109E+003	2.196E+003
116	1.968E+003	2.051E+003	2.136E+003
117	1.914E+003	1.994E+003	2.078E+003
118	1.861E+003	1.940E+003	2.022E+003
119	1.810E+003	1.887E+003	1.968E+003
120	1.761E+003	1.836E+003	1.915E+003
121	1.713E+003	1.787E+003	1.864E+003
122	1.667E+003	1.739E+003	1.814E+003
123	1.622E+003	1.693E+003	1.766E+003
124	1.578E+003	1.648E+003	1.720E+003
125	1.536E+003	1.604E+003	1.675E+003