NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH05-3H103F[R,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3370 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.662E+005	1.732E+005	1.805E+005
-39	1.576E+005	1.642E+005	1.710E+005
-38	1.495E+005	1.557E+005	1.621E+005
-37	1.420E+005	1.477E+005	1.537E+005
-36	1.349E+005	1.402E+005	1.458E+005
-35	1.282E+005	1.332E+005	1.384E+005
-34	1.219E+005	1.266E+005	1.315E+005
-33	1.159E+005	1.204E+005	1.249E+005
-32	1.103E+005	1.145E+005	1.187E+005
-31	1.051E+005	1.089E+005	1.129E+005
-30	1.001E+005	1.037E+005	1.075E+005
-29	9.540E+004	9.880E+004	1.023E+005
-28	9.097E+004	9.416E+004	9.745E+004
-27	8.677E+004	8.977E+004	9.285E+004
-26	8.279E+004	8.560E+004	8.850E+004
-25	7.902E+004	8.166E+004	8.438E+004
-24	7.545E+004	7.792E+004	8.047E+004
-23	7.205E+004	7.438E+004	7.677E+004
-22	6.883E+004	7.101E+004	7.325E+004
-21	6.577E+004	6.782E+004	6.992E+004
-20	6.286E+004	6.479E+004	6.676E+004
-19	6.012E+004	6.193E+004	6.379E+004
-18	5.751E+004	5.921E+004	6.095E+004
-17	5.502E+004	5.662E+004	5.825E+004
-16	5.265E+004	5.415E+004	5.568E+004
-15	5.038E+004	5.179E+004	5.323E+004
-14	4.823E+004	4.955E+004	5.090E+004
-13	4.617E+004	4.741E+004	4.868E+004
-12	4.420E+004	4.537E+004	4.656E+004
-11	4.233E+004	4.343E+004	4.455E+004
-10	4.054E+004	4.157E+004	4.262E+004
-9	3.885E+004	3.981E+004	4.080E+004
-8	3.723E+004	3.813E+004	3.906E+004
-7	3.568E+004	3.653E+004	3.740E+004
-6	3.419E+004	3.499E+004	3.581E+004
-5	3.277E+004	3.353E+004	3.429E+004
-4	3.142E+004	3.213E+004	3.284E+004
-3	3.012E+004	3.079E+004	3.146E+004
-2	2.888E+004	2.950E+004	3.014E+004
-1	2.770E+004	2.828E+004	2.887E+004
0	2.656E+004	2.711E+004	2.767E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.656E+004	2.711E+004	2.767E+004
1	2.548E+004	2.599E+004	2.651E+004
2	2.444E+004	2.492E+004	2.541E+004
3	2.344E+004	2.390E+004	2.435E+004
4	2.250E+004	2.292E+004	2.335E+004
5	2.159E+004	2.199E+004	2.239E+004
6	2.073E+004	2.110E+004	2.147E+004
7	1.990E+004	2.025E+004	2.060E+004
8	1.911E+004	1.944E+004	1.977E+004
9	1.836E+004	1.866E+004	1.897E+004
10	1.764E+004	1.792E+004	1.821E+004
11	1.695E+004	1.722E+004	1.748E+004
12	1.629E+004	1.654E+004	1.679E+004
13	1.566E+004	1.589E+004	1.613E+004
14	1.506E+004	1.527E+004	1.549E+004
15	1.448E+004	1.468E+004	1.489E+004
16	1.393E+004	1.412E+004	1.431E+004
17	1.340E+004	1.358E+004	1.375E+004
18	1.289E+004	1.306E+004	1.322E+004
19	1.241E+004	1.256E+004	1.272E+004
20	1.194E+004	1.209E+004	1.223E+004
21	1.150E+004	1.163E+004	1.177E+004
22	1.107E+004	1.120E+004	1.132E+004
23	1.067E+004	1.078E+004	1.090E+004
24	1.027E+004	1.038E+004	1.049E+004
25	9.900E+003	1.000E+004	1.010E+004
26	9.534E+003	9.634E+003	9.734E+003
27	9.183E+003	9.283E+003	9.382E+003
28	8.847E+003	8.946E+003	9.046E+003
29	8.524E+003	8.623E+003	8.723E+003
30	8.215E+003	8.314E+003	8.413E+003
31	7.919E+003	8.017E+003	8.115E+003
32	7.636E+003	7.733E+003	7.830E+003
33	7.363E+003	7.460E+003	7.557E+003
34	7.102E+003	7.198E+003	7.294E+003
35	6.852E+003	6.946E+003	7.042E+003
36	6.611E+003	6.705E+003	6.800E+003
37	6.381E+003	6.474E+003	6.567E+003
38	6.159E+003	6.251E+003	6.344E+003
39	5.947E+003	6.038E+003	6.129E+003
40	5.743E+003	5.832E+003	5.923E+003

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B-VALUE(25/50℃)	3370 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.743E+003	5.832E+003	5.923E+003
41	5.547E+003	5.635E+003	5.725E+003
42	5.359E+003	5.446E+003	5.534E+003
43	5.178E+003	5.264E+003	5.351E+003
44	5.004E+003	5.089E+003	5.175E+003
45	4.837E+003	4.921E+003	5.006E+003
46	4.677E+003	4.759E+003	4.843E+003
47	4.522E+003	4.603E+003	4.686E+003
48	4.374E+003	4.454E+003	4.535E+003
49	4.231E+003	4.310E+003	4.390E+003
50	4.093E+003	4.171E+003	4.250E+003
51	3.961E+003	4.037E+003	4.115E+003
52	3.834E+003	3.909E+003	3.985E+003
53	3.711E+003	3.785E+003	3.860E+003
54	3.593E+003	3.666E+003	3.740E+003
55	3.479E+003	3.551E+003	3.624E+003
56	3.370E+003	3.440E+003	3.512E+003
57	3.264E+003	3.334E+003	3.404E+003
58	3.163E+003	3.231E+003	3.300E+003
59	3.065E+003	3.132E+003	3.200E+003
60	2.970E+003	3.036E+003	3.103E+003
61	2.879E+003	2.944E+003	3.010E+003
62	2.791E+003	2.855E+003	2.919E+003
63	2.706E+003	2.769E+003	2.832E+003
64	2.624E+003	2.686E+003	2.748E+003
65	2.546E+003	2.606E+003	2.667E+003
66	2.469E+003	2.529E+003	2.589E+003
67	2.396E+003	2.454E+003	2.513E+003
68	2.325E+003	2.382E+003	2.440E+003
69	2.256E+003	2.313E+003	2.370E+003
70	2.190E+003	2.245E+003	2.302E+003
71	2.126E+003	2.181E+003	2.236E+003
72	2.065E+003	2.118E+003	2.172E+003
73	2.005E+003	2.057E+003	2.111E+003
74	1.947E+003	1.999E+003	2.051E+003
75	1.892E+003	1.942E+003	1.994E+003
76	1.838E+003	1.887E+003	1.938E+003
77	1.786E+003	1.834E+003	1.884E+003
78	1.736E+003	1.783E+003	1.832E+003
79	1.687E+003	1.734E+003	1.782E+003
80	1.640E+003	1.686E+003	1.733E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.640E+003	1.686E+003	1.733E+003
81	1.595E+003	1.640E+003	1.686E+003
82	1.551E+003	1.595E+003	1.641E+003
83	1.508E+003	1.552E+003	1.596E+003
84	1.467E+003	1.510E+003	1.554E+003
85	1.427E+003	1.469E+003	1.512E+003
86	1.389E+003	1.430E+003	1.472E+003
87	1.351E+003	1.392E+003	1.434E+003
88	1.315E+003	1.355E+003	1.396E+003
89	1.280E+003	1.319E+003	1.360E+003
90	1.247E+003	1.285E+003	1.324E+003
91	1.214E+003	1.251E+003	1.290E+003
92	1.182E+003	1.219E+003	1.257E+003
93	1.151E+003	1.187E+003	1.225E+003
94	1.121E+003	1.157E+003	1.194E+003
95	1.092E+003	1.127E+003	1.163E+003
96	1.064E+003	1.099E+003	1.134E+003
97	1.037E+003	1.071E+003	1.106E+003
98	1.011E+003	1.044E+003	1.078E+003
99	9.852E+002	1.018E+003	1.051E+003
100	9.604E+002	9.924E+002	1.025E+003
101	9.363E+002	9.678E+002	1.000E+003
102	9.130E+002	9.439E+002	9.757E+002
103	8.904E+002	9.207E+002	9.519E+002
104	8.684E+002	8.982E+002	9.289E+002
105	8.471E+002	8.763E+002	9.065E+002
106	8.264E+002	8.551E+002	8.848E+002
107	8.063E+002	8.345E+002	8.637E+002
108	7.868E+002	8.145E+002	8.432E+002
109	7.678E+002	7.951E+002	8.233E+002
110	7.494E+002	7.762E+002	8.039E+002
111	7.316E+002	7.579E+002	7.851E+002
112	7.142E+002	7.401E+002	7.668E+002
113	6.974E+002	7.228E+002	7.491E+002
114	6.810E+002	7.060E+002	7.318E+002
115	6.651E+002	6.896E+002	7.150E+002
116	6.496E+002	6.737E+002	6.987E+002
117	6.346E+002	6.583E+002	6.828E+002
118	6.199E+002	6.433E+002	6.674E+002
119	6.057E+002	6.287E+002	6.524E+002
120	5.919E+002	6.145E+002	6.378E+002
121	5.785E+002	6.006E+002	6.236E+002
122	5.654E+002	5.872E+002	6.098E+002
123	5.527E+002	5.741E+002	5.963E+002
124	5.404E+002	5.614E+002	5.832E+002
125	5.283E+002	5.490E+002	5.705E+002