NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH05-4B473F[R,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	1.698E+006	1.782E+006	1.869E+006
-39	1.590E+006	1.667E+006	1.747E+006
-38	1.489E+006	1.560E+006	1.634E+006
-37	1.395E+006	1.460E+006	1.529E+006
-36	1.307E+006	1.368E+006	1.430E+006
-35	1.226E+006	1.281E+006	1.339E+006
-34	1.149E+006	1.200E+006	1.254E+006
-33	1.078E+006	1.125E+006	1.174E+006
-32	1.012E+006	1.055E+006	1.100E+006
-31	9.495E+005	9.897E+005	1.031E+006
-30	8.915E+005	9.286E+005	9.671E+005
-29	8.372E+005	8.715E+005	9.070E+005
-28	7.865E+005	8.181E+005	8.509E+005
-27	7.391E+005	7.683E+005	7.986E+005
-26	6.948E+005	7.218E+005	7.498E+005
-25	6.534E+005	6.784E+005	7.041E+005
-24	6.147E+005	6.377E+005	6.616E+005
-23	5.785E+005	5.998E+005	6.218E+005
-22	5.446E+005	5.642E+005	5.846E+005
-21	5.128E+005	5.310E+005	5.498E+005
-20	4.831E+005	4.999E+005	5.173E+005
-19	4.552E+005	4.708E+005	4.868E+005
-18	4.291E+005	4.435E+005	4.583E+005
-17	4.046E+005	4.179E+005	4.316E+005
-16	3.817E+005	3.940E+005	4.067E+005
-15	3.602E+005	3.716E+005	3.833E+005
-14	3.400E+005	3.505E+005	3.614E+005
-13	3.211E+005	3.308E+005	3.408E+005
-12	3.033E+005	3.123E+005	3.216E+005
-11	2.866E+005	2.950E+005	3.035E+005
-10	2.709E+005	2.787E+005	2.866E+005
-9	2.562E+005	2.633E+005	2.707E+005
-8	2.423E+005	2.490E+005	2.557E+005
-7	2.293E+005	2.354E+005	2.417E+005
-6	2.171E+005	2.227E+005	2.285E+005
-5	2.055E+005	2.108E+005	2.162E+005
-4	1.947E+005	1.996E+005	2.045E+005
-3	1.845E+005	1.890E+005	1.936E+005
-2	1.749E+005	1.790E+005	1.833E+005
-1	1.658E+005	1.697E+005	1.736E+005
0	1.573E+005	1.608E+005	1.645E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.573E+005	1.608E+005	1.645E+005
1	1.492E+005	1.525E+005	1.559E+005
2	1.416E+005	1.447E+005	1.478E+005
3	1.345E+005	1.373E+005	1.402E+005
4	1.277E+005	1.303E+005	1.330E+005
5	1.213E+005	1.238E+005	1.262E+005
6	1.153E+005	1.176E+005	1.198E+005
7	1.096E+005	1.117E+005	1.138E+005
8	1.043E+005	1.062E+005	1.081E+005
9	9.919E+004	1.010E+005	1.028E+005
10	9.439E+004	9.603E+004	9.769E+004
11	8.985E+004	9.137E+004	9.290E+004
12	8.555E+004	8.696E+004	8.837E+004
13	8.149E+004	8.278E+004	8.409E+004
14	7.764E+004	7.884E+004	8.004E+004
15	7.400E+004	7.510E+004	7.621E+004
16	7.055E+004	7.157E+004	7.259E+004
17	6.728E+004	6.822E+004	6.916E+004
18	6.419E+004	6.505E+004	6.591E+004
19	6.125E+004	6.204E+004	6.284E+004
20	5.846E+004	5.919E+004	5.992E+004
21	5.582E+004	5.649E+004	5.716E+004
22	5.332E+004	5.393E+004	5.454E+004
23	5.094E+004	5.150E+004	5.206E+004
24	4.868E+004	4.919E+004	4.970E+004
25	4.653E+004	4.700E+004	4.747E+004
26	4.445E+004	4.492E+004	4.539E+004
27	4.248E+004	4.294E+004	4.341E+004
28	4.060E+004	4.107E+004	4.153E+004
29	3.882E+004	3.928E+004	3.975E+004
30	3.713E+004	3.759E+004	3.805E+004
31	3.552E+004	3.598E+004	3.643E+004
32	3.399E+004	3.444E+004	3.489E+004
33	3.254E+004	3.298E+004	3.343E+004
34	3.115E+004	3.159E+004	3.203E+004
35	2.983E+004	3.027E+004	3.071E+004
36	2.858E+004	2.901E+004	2.944E+004
37	2.739E+004	2.781E+004	2.824E+004
38	2.625E+004	2.667E+004	2.709E+004
39	2.517E+004	2.558E+004	2.599E+004
40	2.413E+004	2.454E+004	2.494E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.413E+004	2.454E+004	2.494E+004
41	2.315E+004	2.355E+004	2.395E+004
42	2.221E+004	2.260E+004	2.300E+004
43	2.132E+004	2.170E+004	2.209E+004
44	2.046E+004	2.084E+004	2.122E+004
45	1.965E+004	2.002E+004	2.039E+004
46	1.887E+004	1.923E+004	1.960E+004
47	1.813E+004	1.849E+004	1.885E+004
48	1.742E+004	1.777E+004	1.812E+004
49	1.674E+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	1.554E+004
53	1.432E+004	1.464E+004	1.496E+004
54	1.378E+004	1.409E+004	1.441E+004
55	1.327E+004	1.357E+004	1.388E+004
56	1.277E+004	1.307E+004	1.337E+004
57	1.230E+004	1.259E+004	1.288E+004
58	1.185E+004	1.213E+004	1.242E+004
59	1.141E+004	1.169E+004	1.197E+004
60	1.100E+004	1.127E+004	1.154E+004
61	1.060E+004	1.086E+004	1.113E+004
62	1.022E+004	1.048E+004	1.074E+004
63	9.852E+003	1.011E+004	1.036E+004
64	9.502E+003	9.750E+003	1.000E+004
65	9.166E+003	9.409E+003	9.657E+003
66	8.844E+003	9.081E+003	9.324E+003
67	8.535E+003	8.767E+003	9.004E+003
68	8.238E+003	8.465E+003	8.697E+003
69	7.953E+003	8.175E+003	8.403E+003
70	7.680E+003	7.897E+003	8.120E+003
71	7.418E+003	7.630E+003	7.848E+003
72	7.166E+003	7.374E+003	7.586E+003
73	6.924E+003	7.127E+003	7.335E+003
74	6.692E+003	6.890E+003	7.094E+003
75	6.468E+003	6.662E+003	6.862E+003
76	6.254E+003	6.443E+003	6.638E+003
77	6.047E+003	6.233E+003	6.423E+003
78	5.849E+003	6.030E+003	6.217E+003
79	5.658E+003	5.835E+003	6.018E+003
80	5.474E+003	5.648E+003	5.826E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.474E+003	5.648E+003	5.826E+003
81	5.298E+003	5.467E+003	5.642E+003
82	5.128E+003	5.294E+003	5.465E+003
83	4.964E+003	5.126E+003	5.294E+003
84	4.807E+003	4.965E+003	5.129E+003
85	4.655E+003	4.810E+003	4.970E+003
86	4.509E+003	4.661E+003	4.817E+003
87	4.368E+003	4.517E+003	4.670E+003
88	4.233E+003	4.378E+003	4.528E+003
89	4.102E+003	4.244E+003	4.391E+003
90	3.976E+003	4.115E+003	4.259E+003
91	3.855E+003	3.991E+003	4.131E+003
92	3.738E+003	3.871E+003	4.008E+003
93	3.625E+003	3.755E+003	3.890E+003
94	3.516E+003	3.644E+003	3.775E+003
95	3.411E+003	3.536E+003	3.665E+003
96	3.310E+003	3.432E+003	3.558E+003
97	3.212E+003	3.331E+003	3.455E+003
98	3.118E+003	3.234E+003	3.355E+003
99	3.026E+003	3.141E+003	3.259E+003
100	2.938E+003	3.050E+003	3.166E+003
101	2.853E+003	2.963E+003	3.076E+003
102	2.771E+003	2.879E+003	2.990E+003
103	2.692E+003	2.797E+003	2.906E+003
104	2.615E+003	2.718E+003	2.825E+003
105	2.541E+003	2.642E+003	2.746E+003
106	2.470E+003	2.568E+003	2.670E+003
107	2.401E+003	2.497E+003	2.597E+003
108	2.334E+003	2.428E+003	2.526E+003
109	2.269E+003	2.361E+003	2.457E+003
110	2.206E+003	2.297E+003	2.391E+003
111	2.146E+003	2.234E+003	2.326E+003
112	2.087E+003	2.174E+003	2.264E+003
113	2.030E+003	2.115E+003	2.204E+003
114	1.975E+003	2.059E+003	2.145E+003
115	1.922E+003	2.004E+003	2.089E+003
116	1.871E+003	1.951E+003	2.034E+003
117	1.821E+003	1.899E+003	1.981E+003
118	1.773E+003	1.849E+003	1.929E+003
119	1.726E+003	1.801E+003	1.879E+003
120	1.681E+003	1.754E+003	1.831E+003
121	1.637E+003	1.709E+003	1.784E+003
122	1.594E+003	1.665E+003	1.738E+003
123	1.553E+003	1.622E+003	1.694E+003
124	1.513E+003	1.581E+003	1.652E+003
125	1.474E+003	1.541E+003	1.610E+003