NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TC05-4K104J[R,B]

RESISTANCE(at25℃)	100000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4500 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	4.523E+06	5.402E+06	6.435E+06
-39	4.223E+06	5.031E+06	5.979E+06
-38	3.944E+06	4.687E+06	5.556E+06
-37	3.683E+06	4.366E+06	5.163E+06
-36	3.440E+06	4.069E+06	4.800E+06
-35	3.214E+06	3.792E+06	4.463E+06
-34	3.003E+06	3.535E+06	4.150E+06
-33	2.807E+06	3.296E+06	3.861E+06
-32	2.624E+06	3.074E+06	3.592E+06
-31	2.453E+06	2.867E+06	3.343E+06
-30	2.294E+06	2.675E+06	3.112E+06
-29	2.145E+06	2.496E+06	2.897E+06
-28	2.006E+06	2.329E+06	2.697E+06
-27	1.877E+06	2.174E+06	2.512E+06
-26	1.757E+06	2.030E+06	2.341E+06
-25	1.645E+06	1.897E+06	2.182E+06
-24	1.540E+06	1.773E+06	2.034E+06
-23	1.443E+06	1.657E+06	1.898E+06
-22	1.352E+06	1.550E+06	1.771E+06
-21	1.268E+06	1.450E+06	1.653E+06
-20	1.189E+06	1.356E+06	1.544E+06
-19	1.115E+06	1.270E+06	1.442E+06
-18	1.046E+06	1.189E+06	1.347E+06
-17	9.822E+05	1.114E+06	1.259E+06
-16	9.223E+05	1.043E+06	1.178E+06
-15	8.663E+05	9.782E+05	1.102E+06
-14	8.141E+05	9.174E+05	1.031E+06
-13	7.653E+05	8.607E+05	9.655E+05
-12	7.197E+05	8.078E+05	9.044E+05
-11	6.771E+05	7.584E+05	8.474E+05
-10	6.372E+05	7.124E+05	7.944E+05
-9	5.998E+05	6.693E+05	7.449E+05
-8	5.649E+05	6.291E+05	6.988E+05
-7	5.322E+05	5.915E+05	6.559E+05
-6	5.016E+05	5.565E+05	6.158E+05
-5	4.729E+05	5.236E+05	5.784E+05
-4	4.460E+05	4.930E+05	5.435E+05
-3	4.208E+05	4.643E+05	5.109E+05
-2	3.972E+05	4.374E+05	4.804E+05
-1	3.750E+05	4.122E+05	4.520E+05
0	3.542E+05	3.887E+05	4.254E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.542E+05	3.887E+05	4.254E+05
1	3.347E+05	3.666E+05	4.005E+05
2	3.164E+05	3.459E+05	3.772E+05
3	2.991E+05	3.265E+05	3.554E+05
4	2.830E+05	3.082E+05	3.350E+05
5	2.677E+05	2.912E+05	3.158E+05
6	2.534E+05	2.751E+05	2.979E+05
7	2.400E+05	2.600E+05	2.811E+05
8	2.273E+05	2.459E+05	2.654E+05
9	2.154E+05	2.326E+05	2.506E+05
10	2.041E+05	2.201E+05	2.367E+05
11	1.936E+05	2.083E+05	2.237E+05
12	1.836E+05	1.973E+05	2.115E+05
13	1.742E+05	1.869E+05	2.000E+05
14	1.653E+05	1.771E+05	1.892E+05
15	1.569E+05	1.678E+05	1.790E+05
16	1.491E+05	1.591E+05	1.695E+05
17	1.416E+05	1.509E+05	1.605E+05
18	1.346E+05	1.432E+05	1.520E+05
19	1.279E+05	1.359E+05	1.440E+05
20	1.216E+05	1.290E+05	1.365E+05
21	1.157E+05	1.225E+05	1.295E+05
22	1.101E+05	1.164E+05	1.228E+05
23	1.048E+05	1.106E+05	1.165E+05
24	9.976E+04	1.052E+05	1.106E+05
25	9.500E+04	1.000E+05	1.050E+05
26	9.022E+04	9.512E+04	1.000E+05
27	8.572E+04	9.050E+04	9.531E+04
28	8.146E+04	8.613E+04	9.085E+04
29	7.743E+04	8.200E+04	8.662E+04
30	7.363E+04	7.809E+04	8.261E+04
31	7.004E+04	7.438E+04	7.880E+04
32	6.664E+04	7.088E+04	7.520E+04
33	6.342E+04	6.755E+04	7.177E+04
34	6.038E+04	6.440E+04	6.853E+04
35	5.750E+04	6.142E+04	6.544E+04
36	5.477E+04	5.859E+04	6.252E+04
37	5.218E+04	5.590E+04	5.973E+04
38	4.974E+04	5.335E+04	5.709E+04
39	4.742E+04	5.094E+04	5.458E+04
40	4.522E+04	4.864E+04	5.219E+04

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TYPE	TC05-4K104J[R,B]

RESISTANCE(at25℃)	100000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4500 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.522E+04	4.864E+04	5.219E+04
41	4.313E+04	4.646E+04	4.992E+04
42	4.115E+04	4.439E+04	4.776E+04
43	3.928E+04	4.242E+04	4.571E+04
44	3.750E+04	4.055E+04	4.375E+04
45	3.580E+04	3.878E+04	4.189E+04
46	3.420E+04	3.709E+04	4.012E+04
47	3.267E+04	3.548E+04	3.843E+04
48	3.122E+04	3.395E+04	3.682E+04
49	2.985E+04	3.250E+04	3.529E+04
50	2.854E+04	3.111E+04	3.383E+04
51	2.729E+04	2.979E+04	3.244E+04
52	2.611E+04	2.853E+04	3.111E+04
53	2.498E+04	2.734E+04	2.984E+04
54	2.391E+04	2.620E+04	2.863E+04
55	2.289E+04	2.511E+04	2.748E+04
56	2.192E+04	2.407E+04	2.638E+04
57	2.099E+04	2.309E+04	2.533E+04
58	2.011E+04	2.214E+04	2.432E+04
59	1.927E+04	2.124E+04	2.336E+04
60	1.847E+04	2.039E+04	2.245E+04
61	1.770E+04	1.957E+04	2.157E+04
62	1.698E+04	1.879E+04	2.074E+04
63	1.628E+04	1.804E+04	1.994E+04
64	1.562E+04	1.733E+04	1.917E+04
65	1.499E+04	1.664E+04	1.844E+04
66	1.438E+04	1.599E+04	1.774E+04
67	1.381E+04	1.537E+04	1.707E+04
68	1.326E+04	1.478E+04	1.643E+04
69	1.273E+04	1.421E+04	1.581E+04
70	1.223E+04	1.366E+04	1.522E+04
71	1.175E+04	1.314E+04	1.466E+04
72	1.130E+04	1.265E+04	1.412E+04
73	1.086E+04	1.217E+04	1.361E+04
74	1.044E+04	1.171E+04	1.311E+04
75	1.004E+04	1.128E+04	1.264E+04
76	9.655E+03	1.086E+04	1.218E+04
77	9.289E+03	1.046E+04	1.174E+04
78	8.938E+03	1.007E+04	1.133E+04
79	8.603E+03	9.706E+03	1.092E+04
80	8.281E+03	9.354E+03	1.054E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	8.281E+03	9.354E+03	1.054E+04
81	7.974E+03	9.016E+03	1.017E+04
82	7.679E+03	8.692E+03	9.815E+03
83	7.397E+03	8.382E+03	9.474E+03
84	7.126E+03	8.084E+03	9.147E+03
85	6.867E+03	7.798E+03	8.833E+03
86	6.619E+03	7.524E+03	8.532E+03
87	6.380E+03	7.261E+03	8.242E+03
88	6.152E+03	7.008E+03	7.963E+03
89	5.933E+03	6.766E+03	7.696E+03
90	5.723E+03	6.533E+03	7.439E+03
91	5.521E+03	6.309E+03	7.191E+03
92	5.328E+03	6.094E+03	6.953E+03
93	5.142E+03	5.888E+03	6.725E+03
94	4.964E+03	5.689E+03	6.505E+03
95	4.793E+03	5.499E+03	6.293E+03
96	4.629E+03	5.316E+03	6.089E+03
97	4.471E+03	5.139E+03	5.893E+03
98	4.319E+03	4.970E+03	5.704E+03
99	4.173E+03	4.807E+03	5.523E+03
100	4.033E+03	4.650E+03	5.348E+03
101	3.899E+03	4.499E+03	5.179E+03
102	3.769E+03	4.354E+03	5.017E+03
103	3.645E+03	4.214E+03	4.860E+03
104	3.525E+03	4.080E+03	4.710E+03
105	3.410E+03	3.950E+03	4.564E+03
106	3.299E+03	3.825E+03	4.424E+03
107	3.192E+03	3.705E+03	4.290E+03
108	3.090E+03	3.589E+03	4.159E+03
109	2.991E+03	3.478E+03	4.034E+03
110	2.896E+03	3.370E+03	3.913E+03
111	2.804E+03	3.267E+03	3.796E+03
112	2.716E+03	3.167E+03	3.683E+03
113	2.631E+03	3.071E+03	3.575E+03
114	2.549E+03	2.978E+03	3.470E+03
115	2.470E+03	2.888E+03	3.368E+03
116	2.394E+03	2.802E+03	3.271E+03
117	2.321E+03	2.719E+03	3.176E+03
118	2.251E+03	2.638E+03	3.085E+03
119	2.182E+03	2.561E+03	2.997E+03
120	2.117E+03	2.486E+03	2.912E+03
121	2.053E+03	2.414E+03	2.830E+03
122	1.992E+03	2.344E+03	2.750E+03
123	1.933E+03	2.276E+03	2.674E+03
124	1.877E+03	2.211E+03	2.599E+03
125	1.822E+03	2.149E+03	2.528E+03