NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-4C104J [T,B]

RESISTANCE(at25℃)	100000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4100 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	3.217E+006	3.799E+006	4.476E+006
-39	3.013E+006	3.550E+006	4.173E+006
-38	2.823E+006	3.319E+006	3.893E+006
-37	2.647E+006	3.104E+006	3.633E+006
-36	2.482E+006	2.905E+006	3.391E+006
-35	2.328E+006	2.719E+006	3.168E+006
-34	2.185E+006	2.546E+006	2.960E+006
-33	2.051E+006	2.385E+006	2.767E+006
-32	1.926E+006	2.236E+006	2.588E+006
-31	1.810E+006	2.096E+006	2.421E+006
-30	1.701E+006	1.966E+006	2.266E+006
-29	1.600E+006	1.845E+006	2.122E+006
-28	1.505E+006	1.732E+006	1.988E+006
-27	1.416E+006	1.626E+006	1.863E+006
-26	1.333E+006	1.528E+006	1.747E+006
-25	1.255E+006	1.436E+006	1.638E+006
-24	1.182E+006	1.350E+006	1.537E+006
-23	1.114E+006	1.269E+006	1.443E+006
-22	1.050E+006	1.194E+006	1.355E+006
-21	9.904E+005	1.124E+006	1.272E+006
-20	9.343E+005	1.058E+006	1.196E+006
-19	8.815E+005	9.966E+005	1.124E+006
-18	8.321E+005	9.390E+005	1.057E+006
-17	7.857E+005	8.850E+005	9.943E+005
-16	7.422E+005	8.344E+005	9.357E+005
-15	7.013E+005	7.870E+005	8.809E+005
-14	6.629E+005	7.425E+005	8.296E+005
-13	6.269E+005	7.008E+005	7.816E+005
-12	5.929E+005	6.617E+005	7.366E+005
-11	5.611E+005	6.250E+005	6.945E+005
-10	5.311E+005	5.906E+005	6.551E+005
-9	5.028E+005	5.581E+005	6.180E+005
-8	4.762E+005	5.277E+005	5.833E+005
-7	4.512E+005	4.991E+005	5.507E+005
-6	4.276E+005	4.722E+005	5.201E+005
-5	4.055E+005	4.470E+005	4.915E+005
-4	3.846E+005	4.232E+005	4.646E+005
-3	3.649E+005	4.009E+005	4.393E+005
-2	3.463E+005	3.798E+005	4.156E+005
-1	3.288E+005	3.601E+005	3.933E+005
0	3.123E+005	3.414E+005	3.723E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.123E+005	3.414E+005	3.723E+005
1	2.968E+005	3.239E+005	3.526E+005
2	2.820E+005	3.073E+005	3.340E+005
3	2.682E+005	2.917E+005	3.165E+005
4	2.550E+005	2.770E+005	3.001E+005
5	2.426E+005	2.631E+005	2.845E+005
6	2.309E+005	2.499E+005	2.699E+005
7	2.198E+005	2.376E+005	2.561E+005
8	2.093E+005	2.258E+005	2.431E+005
9	1.993E+005	2.148E+005	2.308E+005
10	1.899E+005	2.043E+005	2.193E+005
11	1.810E+005	1.944E+005	2.083E+005
12	1.725E+005	1.850E+005	1.980E+005
13	1.645E+005	1.762E+005	1.882E+005
14	1.569E+005	1.678E+005	1.790E+005
15	1.497E+005	1.599E+005	1.703E+005
16	1.429E+005	1.523E+005	1.620E+005
17	1.364E+005	1.452E+005	1.542E+005
18	1.302E+005	1.385E+005	1.468E+005
19	1.244E+005	1.321E+005	1.399E+005
20	1.189E+005	1.260E+005	1.332E+005
21	1.136E+005	1.202E+005	1.270E+005
22	1.086E+005	1.148E+005	1.210E+005
23	1.038E+005	1.096E+005	1.154E+005
24	9.931E+004	1.047E+005	1.101E+005
25	9.500E+004	1.000E+005	1.050E+005
26	9.065E+004	9.556E+004	1.005E+005
27	8.653E+004	9.133E+004	9.616E+004
28	8.261E+004	8.732E+004	9.206E+004
29	7.889E+004	8.350E+004	8.816E+004
30	7.536E+004	7.987E+004	8.444E+004
31	7.201E+004	7.642E+004	8.090E+004
32	6.882E+004	7.314E+004	7.752E+004
33	6.580E+004	7.001E+004	7.431E+004
34	6.292E+004	6.704E+004	7.124E+004
35	6.018E+004	6.420E+004	6.832E+004
36	5.758E+004	6.150E+004	6.553E+004
37	5.510E+004	5.893E+004	6.288E+004
38	5.274E+004	5.648E+004	6.034E+004
39	5.050E+004	5.415E+004	5.792E+004
40	4.836E+004	5.192E+004	5.560E+004

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TYPE	TN20-4C104J [T,B]

RESISTANCE(at25℃)	100000 Ω	R-TOLERANCE(±)	5 %
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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.836E+004	5.192E+004	5.560E+004
41	4.632E+004	4.979E+004	5.339E+004
42	4.437E+004	4.776E+004	5.128E+004
43	4.252E+004	4.582E+004	4.926E+004
44	4.075E+004	4.397E+004	4.733E+004
45	3.907E+004	4.221E+004	4.548E+004
46	3.747E+004	4.052E+004	4.372E+004
47	3.594E+004	3.892E+004	4.204E+004
48	3.448E+004	3.738E+004	4.043E+004
49	3.309E+004	3.591E+004	3.889E+004
50	3.176E+004	3.451E+004	3.741E+004
51	3.049E+004	3.318E+004	3.601E+004
52	2.928E+004	3.190E+004	3.466E+004
53	2.813E+004	3.068E+004	3.337E+004
54	2.703E+004	2.951E+004	3.214E+004
55	2.597E+004	2.839E+004	3.095E+004
56	2.496E+004	2.732E+004	2.982E+004
57	2.400E+004	2.629E+004	2.874E+004
58	2.308E+004	2.531E+004	2.769E+004
59	2.220E+004	2.437E+004	2.670E+004
60	2.135E+004	2.347E+004	2.574E+004
61	2.055E+004	2.261E+004	2.482E+004
62	1.977E+004	2.178E+004	2.394E+004
63	1.903E+004	2.099E+004	2.309E+004
64	1.832E+004	2.023E+004	2.228E+004
65	1.765E+004	1.950E+004	2.150E+004
66	1.700E+004	1.881E+004	2.076E+004
67	1.637E+004	1.814E+004	2.004E+004
68	1.578E+004	1.749E+004	1.935E+004
69	1.521E+004	1.688E+004	1.869E+004
70	1.466E+004	1.629E+004	1.805E+004
71	1.413E+004	1.572E+004	1.744E+004
72	1.363E+004	1.518E+004	1.686E+004
73	1.315E+004	1.465E+004	1.629E+004
74	1.268E+004	1.415E+004	1.575E+004
75	1.224E+004	1.367E+004	1.523E+004
76	1.181E+004	1.321E+004	1.473E+004
77	1.140E+004	1.276E+004	1.425E+004
78	1.101E+004	1.233E+004	1.378E+004
79	1.063E+004	1.192E+004	1.334E+004
80	1.027E+004	1.153E+004	1.291E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.027E+004	1.153E+004	1.291E+004
81	9.920E+003	1.115E+004	1.249E+004
82	9.585E+003	1.078E+004	1.209E+004
83	9.263E+003	1.043E+004	1.171E+004
84	8.953E+003	1.009E+004	1.134E+004
85	8.655E+003	9.762E+003	1.098E+004
86	8.368E+003	9.448E+003	1.064E+004
87	8.093E+003	9.146E+003	1.031E+004
88	7.828E+003	8.855E+003	9.991E+003
89	7.573E+003	8.574E+003	9.684E+003
90	7.328E+003	8.304E+003	9.388E+003
91	7.092E+003	8.045E+003	9.103E+003
92	6.865E+003	7.794E+003	8.827E+003
93	6.646E+003	7.553E+003	8.562E+003
94	6.435E+003	7.320E+003	8.305E+003
95	6.232E+003	7.095E+003	8.058E+003
96	6.037E+003	6.879E+003	7.819E+003
97	5.848E+003	6.670E+003	7.589E+003
98	5.667E+003	6.469E+003	7.367E+003
99	5.491E+003	6.275E+003	7.152E+003
100	5.323E+003	6.087E+003	6.944E+003
101	5.160E+003	5.906E+003	6.744E+003
102	5.003E+003	5.732E+003	6.550E+003
103	4.851E+003	5.563E+003	6.363E+003
104	4.705E+003	5.400E+003	6.182E+003
105	4.564E+003	5.243E+003	6.007E+003
106	4.428E+003	5.091E+003	5.838E+003
107	4.297E+003	4.944E+003	5.674E+003
108	4.170E+003	4.802E+003	5.516E+003
109	4.048E+003	4.665E+003	5.363E+003
110	3.929E+003	4.533E+003	5.215E+003
111	3.816E+003	4.405E+003	5.073E+003
112	3.705E+003	4.281E+003	4.934E+003
113	3.599E+003	4.162E+003	4.801E+003
114	3.496E+003	4.046E+003	4.671E+003
115	3.396E+003	3.934E+003	4.545E+003
116	3.300E+003	3.826E+003	4.424E+003
117	3.207E+003	3.721E+003	4.306E+003
118	3.117E+003	3.619E+003	4.192E+003
119	3.030E+003	3.521E+003	4.081E+003
120	2.945E+003	3.425E+003	3.974E+003
121	2.864E+003	3.333E+003	3.870E+003
122	2.785E+003	3.244E+003	3.769E+003
123	2.708E+003	3.157E+003	3.671E+003
124	2.634E+003	3.073E+003	3.576E+003
125	2.562E+003	2.992E+003	3.484E+003