NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN10-4C103J [T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4100 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	4.103E+005	4.845E+005	5.707E+005
-39	3.816E+005	4.496E+005	5.284E+005
-38	3.551E+005	4.175E+005	4.896E+005
-37	3.306E+005	3.878E+005	4.538E+005
-36	3.079E+005	3.604E+005	4.208E+005
-35	2.870E+005	3.352E+005	3.905E+005
-34	2.676E+005	3.118E+005	3.625E+005
-33	2.496E+005	2.902E+005	3.367E+005
-32	2.329E+005	2.703E+005	3.129E+005
-31	2.175E+005	2.519E+005	2.909E+005
-30	2.032E+005	2.348E+005	2.706E+005
-29	1.898E+005	2.189E+005	2.518E+005
-28	1.775E+005	2.042E+005	2.345E+005
-27	1.660E+005	1.906E+005	2.184E+005
-26	1.554E+005	1.781E+005	2.036E+005
-25	1.455E+005	1.664E+005	1.899E+005
-24	1.363E+005	1.556E+005	1.772E+005
-23	1.277E+005	1.455E+005	1.654E+005
-22	1.198E+005	1.362E+005	1.545E+005
-21	1.124E+005	1.276E+005	1.444E+005
-20	1.055E+005	1.195E+005	1.350E+005
-19	9.910E+004	1.120E+005	1.263E+005
-18	9.312E+004	1.051E+005	1.183E+005
-17	8.754E+004	9.860E+004	1.108E+005
-16	8.234E+004	9.256E+004	1.038E+005
-15	7.748E+004	8.694E+004	9.731E+004
-14	7.294E+004	8.169E+004	9.127E+004
-13	6.870E+004	7.680E+004	8.565E+004
-12	6.473E+004	7.224E+004	8.042E+004
-11	6.102E+004	6.798E+004	7.554E+004
-10	5.755E+004	6.399E+004	7.098E+004
-9	5.430E+004	6.028E+004	6.674E+004
-8	5.126E+004	5.680E+004	6.278E+004
-7	4.841E+004	5.355E+004	5.908E+004
-6	4.573E+004	5.050E+004	5.563E+004
-5	4.322E+004	4.765E+004	5.239E+004
-4	4.087E+004	4.498E+004	4.937E+004
-3	3.866E+004	4.247E+004	4.654E+004
-2	3.658E+004	4.012E+004	4.389E+004
-1	3.463E+004	3.792E+004	4.141E+004
0	3.279E+004	3.585E+004	3.909E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.279E+004	3.585E+004	3.909E+004
1	3.107E+004	3.391E+004	3.691E+004
2	2.944E+004	3.208E+004	3.487E+004
3	2.792E+004	3.037E+004	3.295E+004
4	2.648E+004	2.876E+004	3.115E+004
5	2.512E+004	2.724E+004	2.947E+004
6	2.385E+004	2.582E+004	2.788E+004
7	2.265E+004	2.448E+004	2.639E+004
8	2.151E+004	2.322E+004	2.499E+004
9	2.044E+004	2.203E+004	2.368E+004
10	1.943E+004	2.091E+004	2.244E+004
11	1.848E+004	1.985E+004	2.127E+004
12	1.758E+004	1.886E+004	2.018E+004
13	1.673E+004	1.792E+004	1.914E+004
14	1.593E+004	1.703E+004	1.817E+004
15	1.517E+004	1.620E+004	1.725E+004
16	1.445E+004	1.541E+004	1.639E+004
17	1.378E+004	1.467E+004	1.558E+004
18	1.313E+004	1.396E+004	1.481E+004
19	1.253E+004	1.330E+004	1.408E+004
20	1.195E+004	1.267E+004	1.340E+004
21	1.141E+004	1.208E+004	1.275E+004
22	1.089E+004	1.151E+004	1.214E+004
23	1.040E+004	1.098E+004	1.156E+004
24	9.940E+003	1.048E+004	1.102E+004
25	9.500E+003	1.000E+004	1.050E+004
26	9.057E+003	9.547E+003	1.004E+004
27	8.639E+003	9.118E+003	9.600E+003
28	8.242E+003	8.711E+003	9.184E+003
29	7.866E+003	8.325E+003	8.789E+003
30	7.510E+003	7.959E+003	8.414E+003
31	7.172E+003	7.611E+003	8.057E+003
32	6.852E+003	7.281E+003	7.718E+003
33	6.548E+003	6.967E+003	7.395E+003
34	6.260E+003	6.669E+003	7.088E+003
35	5.986E+003	6.386E+003	6.795E+003
36	5.726E+003	6.116E+003	6.517E+003
37	5.479E+003	5.860E+003	6.252E+003
38	5.244E+003	5.616E+003	6.000E+003
39	5.021E+003	5.384E+003	5.759E+003
40	4.809E+003	5.164E+003	5.530E+003

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TYPE	TN10-4C103J [T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4100 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.809E+003	5.164E+003	5.530E+003
41	4.608E+003	4.953E+003	5.311E+003
42	4.416E+003	4.753E+003	5.103E+003
43	4.233E+003	4.562E+003	4.904E+003
44	4.059E+003	4.380E+003	4.714E+003
45	3.894E+003	4.206E+003	4.533E+003
46	3.736E+003	4.041E+003	4.360E+003
47	3.586E+003	3.883E+003	4.194E+003
48	3.442E+003	3.732E+003	4.036E+003
49	3.306E+003	3.588E+003	3.885E+003
50	3.176E+003	3.451E+003	3.741E+003
51	3.052E+003	3.320E+003	3.604E+003
52	2.933E+003	3.195E+003	3.472E+003
53	2.820E+003	3.076E+003	3.346E+003
54	2.712E+003	2.961E+003	3.225E+003
55	2.609E+003	2.852E+003	3.110E+003
56	2.511E+003	2.748E+003	2.999E+003
57	2.417E+003	2.648E+003	2.893E+003
58	2.327E+003	2.552E+003	2.792E+003
59	2.241E+003	2.460E+003	2.695E+003
60	2.158E+003	2.372E+003	2.601E+003
61	2.079E+003	2.288E+003	2.512E+003
62	2.004E+003	2.208E+003	2.426E+003
63	1.932E+003	2.130E+003	2.344E+003
64	1.862E+003	2.056E+003	2.265E+003
65	1.796E+003	1.985E+003	2.189E+003
66	1.733E+003	1.917E+003	2.116E+003
67	1.672E+003	1.852E+003	2.046E+003
68	1.613E+003	1.789E+003	1.979E+003
69	1.557E+003	1.729E+003	1.914E+003
70	1.504E+003	1.671E+003	1.852E+003
71	1.452E+003	1.615E+003	1.792E+003
72	1.403E+003	1.562E+003	1.735E+003
73	1.355E+003	1.510E+003	1.679E+003
74	1.309E+003	1.461E+003	1.626E+003
75	1.266E+003	1.414E+003	1.575E+003
76	1.224E+003	1.368E+003	1.526E+003
77	1.183E+003	1.324E+003	1.478E+003
78	1.144E+003	1.282E+003	1.433E+003
79	1.107E+003	1.242E+003	1.389E+003
80	1.071E+003	1.203E+003	1.346E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.071E+003	1.203E+003	1.346E+003
81	1.037E+003	1.165E+003	1.306E+003
82	1.004E+003	1.129E+003	1.267E+003
83	9.721E+002	1.094E+003	1.229E+003
84	9.415E+002	1.061E+003	1.193E+003
85	9.120E+002	1.029E+003	1.157E+003
86	8.836E+002	9.976E+002	1.123E+003
87	8.562E+002	9.676E+002	1.091E+003
88	8.299E+002	9.387E+002	1.059E+003
89	8.045E+002	9.108E+002	1.029E+003
90	7.800E+002	8.839E+002	9.993E+002
91	7.562E+002	8.578E+002	9.706E+002
92	7.333E+002	8.326E+002	9.430E+002
93	7.113E+002	8.084E+002	9.164E+002
94	6.901E+002	7.850E+002	8.907E+002
95	6.696E+002	7.624E+002	8.658E+002
96	6.499E+002	7.406E+002	8.419E+002
97	6.309E+002	7.196E+002	8.187E+002
98	6.126E+002	6.993E+002	7.964E+002
99	5.949E+002	6.798E+002	7.748E+002
100	5.779E+002	6.609E+002	7.539E+002
101	5.616E+002	6.428E+002	7.339E+002
102	5.458E+002	6.253E+002	7.146E+002
103	5.306E+002	6.084E+002	6.959E+002
104	5.159E+002	5.920E+002	6.777E+002
105	5.016E+002	5.762E+002	6.601E+002
106	4.878E+002	5.608E+002	6.431E+002
107	4.745E+002	5.460E+002	6.266E+002
108	4.616E+002	5.316E+002	6.106E+002
109	4.491E+002	5.177E+002	5.951E+002
110	4.371E+002	5.042E+002	5.801E+002
111	4.253E+002	4.910E+002	5.655E+002
112	4.140E+002	4.783E+002	5.513E+002
113	4.030E+002	4.660E+002	5.376E+002
114	3.924E+002	4.541E+002	5.242E+002
115	3.821E+002	4.426E+002	5.113E+002
116	3.721E+002	4.314E+002	4.988E+002
117	3.625E+002	4.205E+002	4.867E+002
118	3.531E+002	4.100E+002	4.749E+002
119	3.441E+002	3.998E+002	4.635E+002
120	3.353E+002	3.900E+002	4.524E+002
121	3.268E+002	3.804E+002	4.416E+002
122	3.186E+002	3.711E+002	4.312E+002
123	3.106E+002	3.621E+002	4.211E+002
124	3.029E+002	3.534E+002	4.112E+002
125	2.954E+002	3.449E+002	4.017E+002