NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN11-4H104J [T,B]

RESISTANCE(at25℃)	100000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4360 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	4.324E+006	5.144E+006	6.104E+006
-39	4.028E+006	4.780E+006	5.659E+006
-38	3.754E+006	4.445E+006	5.249E+006
-37	3.500E+006	4.134E+006	4.871E+006
-36	3.264E+006	3.847E+006	4.521E+006
-35	3.046E+006	3.581E+006	4.199E+006
-34	2.843E+006	3.334E+006	3.901E+006
-33	2.654E+006	3.106E+006	3.626E+006
-32	2.479E+006	2.895E+006	3.372E+006
-31	2.317E+006	2.699E+006	3.137E+006
-30	2.166E+006	2.518E+006	2.919E+006
-29	2.025E+006	2.349E+006	2.717E+006
-28	1.894E+006	2.192E+006	2.531E+006
-27	1.772E+006	2.047E+006	2.358E+006
-26	1.659E+006	1.912E+006	2.198E+006
-25	1.554E+006	1.787E+006	2.050E+006
-24	1.456E+006	1.671E+006	1.912E+006
-23	1.365E+006	1.563E+006	1.785E+006
-22	1.280E+006	1.462E+006	1.667E+006
-21	1.201E+006	1.369E+006	1.557E+006
-20	1.127E+006	1.282E+006	1.456E+006
-19	1.058E+006	1.201E+006	1.361E+006
-18	9.933E+005	1.126E+006	1.273E+006
-17	9.333E+005	1.056E+006	1.191E+006
-16	8.772E+005	9.903E+005	1.115E+006
-15	8.249E+005	9.294E+005	1.044E+006
-14	7.760E+005	8.726E+005	9.787E+005
-13	7.303E+005	8.196E+005	9.175E+005
-12	6.875E+005	7.701E+005	8.605E+005
-11	6.476E+005	7.240E+005	8.074E+005
-10	6.102E+005	6.809E+005	7.579E+005
-9	5.752E+005	6.407E+005	7.118E+005
-8	5.425E+005	6.031E+005	6.687E+005
-7	5.117E+005	5.679E+005	6.285E+005
-6	4.830E+005	5.349E+005	5.910E+005
-5	4.559E+005	5.041E+005	5.559E+005
-4	4.306E+005	4.752E+005	5.231E+005
-3	4.068E+005	4.481E+005	4.924E+005
-2	3.844E+005	4.228E+005	4.637E+005
-1	3.635E+005	3.990E+005	4.368E+005
0	3.437E+005	3.766E+005	4.117E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.437E+005	3.766E+005	4.117E+005
1	3.252E+005	3.557E+005	3.881E+005
2	3.077E+005	3.360E+005	3.660E+005
3	2.913E+005	3.176E+005	3.453E+005
4	2.759E+005	3.002E+005	3.259E+005
5	2.614E+005	2.839E+005	3.077E+005
6	2.477E+005	2.686E+005	2.906E+005
7	2.348E+005	2.542E+005	2.746E+005
8	2.227E+005	2.407E+005	2.595E+005
9	2.113E+005	2.280E+005	2.454E+005
10	2.005E+005	2.160E+005	2.321E+005
11	1.903E+005	2.047E+005	2.197E+005
12	1.807E+005	1.941E+005	2.079E+005
13	1.717E+005	1.841E+005	1.969E+005
14	1.632E+005	1.747E+005	1.865E+005
15	1.551E+005	1.658E+005	1.767E+005
16	1.475E+005	1.574E+005	1.675E+005
17	1.403E+005	1.494E+005	1.588E+005
18	1.334E+005	1.420E+005	1.506E+005
19	1.270E+005	1.349E+005	1.429E+005
20	1.209E+005	1.282E+005	1.357E+005
21	1.151E+005	1.219E+005	1.288E+005
22	1.097E+005	1.160E+005	1.223E+005
23	1.045E+005	1.104E+005	1.162E+005
24	9.963E+004	1.050E+005	1.104E+005
25	9.500E+004	1.000E+005	1.050E+005
26	9.034E+004	9.524E+004	1.001E+005
27	8.594E+004	9.073E+004	9.555E+004
28	8.179E+004	8.647E+004	9.119E+004
29	7.785E+004	8.243E+004	8.705E+004
30	7.413E+004	7.860E+004	8.313E+004
31	7.061E+004	7.497E+004	7.941E+004
32	6.728E+004	7.153E+004	7.587E+004
33	6.412E+004	6.827E+004	7.252E+004
34	6.113E+004	6.518E+004	6.933E+004
35	5.830E+004	6.225E+004	6.630E+004
36	5.562E+004	5.946E+004	6.342E+004
37	5.307E+004	5.682E+004	6.068E+004
38	5.066E+004	5.431E+004	5.808E+004
39	4.837E+004	5.193E+004	5.561E+004
40	4.620E+004	4.966E+004	5.325E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.620E+004	4.966E+004	5.325E+004
41	4.413E+004	4.750E+004	5.101E+004
42	4.217E+004	4.546E+004	4.887E+004
43	4.031E+004	4.351E+004	4.684E+004
44	3.855E+004	4.165E+004	4.490E+004
45	3.687E+004	3.989E+004	4.306E+004
46	3.527E+004	3.821E+004	4.130E+004
47	3.375E+004	3.661E+004	3.962E+004
48	3.231E+004	3.509E+004	3.802E+004
49	3.093E+004	3.364E+004	3.650E+004
50	2.962E+004	3.226E+004	3.504E+004
51	2.838E+004	3.094E+004	3.365E+004
52	2.720E+004	2.969E+004	3.233E+004
53	2.607E+004	2.849E+004	3.106E+004
54	2.499E+004	2.735E+004	2.986E+004
55	2.397E+004	2.626E+004	2.870E+004
56	2.299E+004	2.522E+004	2.760E+004
57	2.206E+004	2.423E+004	2.654E+004
58	2.117E+004	2.328E+004	2.554E+004
59	2.032E+004	2.237E+004	2.457E+004
60	1.951E+004	2.151E+004	2.365E+004
61	1.874E+004	2.068E+004	2.277E+004
62	1.800E+004	1.989E+004	2.192E+004
63	1.730E+004	1.914E+004	2.112E+004
64	1.663E+004	1.841E+004	2.034E+004
65	1.599E+004	1.772E+004	1.960E+004
66	1.537E+004	1.706E+004	1.889E+004
67	1.478E+004	1.643E+004	1.821E+004
68	1.422E+004	1.582E+004	1.756E+004
69	1.369E+004	1.524E+004	1.693E+004
70	1.317E+004	1.469E+004	1.634E+004
71	1.268E+004	1.416E+004	1.576E+004
72	1.221E+004	1.365E+004	1.521E+004
73	1.176E+004	1.316E+004	1.468E+004
74	1.133E+004	1.269E+004	1.418E+004
75	1.092E+004	1.224E+004	1.369E+004
76	1.052E+004	1.181E+004	1.322E+004
77	1.014E+004	1.140E+004	1.277E+004
78	9.781E+003	1.100E+004	1.234E+004
79	9.432E+003	1.062E+004	1.193E+004
80	9.098E+003	1.025E+004	1.153E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	9.098E+003	1.025E+004	1.153E+004
81	8.777E+003	9.903E+003	1.114E+004
82	8.469E+003	9.565E+003	1.078E+004
83	8.173E+003	9.241E+003	1.042E+004
84	7.890E+003	8.929E+003	1.008E+004
85	7.618E+003	8.630E+003	9.753E+003
86	7.356E+003	8.343E+003	9.437E+003
87	7.105E+003	8.066E+003	9.134E+003
88	6.864E+003	7.800E+003	8.842E+003
89	6.633E+003	7.545E+003	8.561E+003
90	6.410E+003	7.299E+003	8.290E+003
91	6.197E+003	7.063E+003	8.029E+003
92	5.991E+003	6.835E+003	7.779E+003
93	5.794E+003	6.616E+003	7.537E+003
94	5.604E+003	6.406E+003	7.304E+003
95	5.421E+003	6.203E+003	7.079E+003
96	5.245E+003	6.007E+003	6.863E+003
97	5.076E+003	5.819E+003	6.654E+003
98	4.913E+003	5.638E+003	6.453E+003
99	4.756E+003	5.463E+003	6.259E+003
100	4.605E+003	5.294E+003	6.072E+003
101	4.460E+003	5.132E+003	5.891E+003
102	4.319E+003	4.975E+003	5.716E+003
103	4.184E+003	4.824E+003	5.548E+003
104	4.054E+003	4.678E+003	5.385E+003
105	3.929E+003	4.538E+003	5.228E+003
106	3.808E+003	4.402E+003	5.077E+003
107	3.692E+003	4.272E+003	4.930E+003
108	3.579E+003	4.145E+003	4.789E+003
109	3.471E+003	4.024E+003	4.652E+003
110	3.367E+003	3.906E+003	4.520E+003
111	3.266E+003	3.793E+003	4.393E+003
112	3.169E+003	3.683E+003	4.270E+003
113	3.075E+003	3.577E+003	4.151E+003
114	2.985E+003	3.475E+003	4.036E+003
115	2.897E+003	3.376E+003	3.925E+003
116	2.813E+003	3.281E+003	3.817E+003
117	2.731E+003	3.188E+003	3.713E+003
118	2.653E+003	3.099E+003	3.612E+003
119	2.577E+003	3.013E+003	3.514E+003
120	2.503E+003	2.929E+003	3.420E+003
121	2.432E+003	2.849E+003	3.328E+003
122	2.363E+003	2.771E+003	3.240E+003
123	2.297E+003	2.695E+003	3.154E+003
124	2.233E+003	2.622E+003	3.071E+003
125	2.171E+003	2.551E+003	2.991E+003