NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN11-3T223J [T,B]

RESISTANCE(at25℃)	22000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3820 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	4.853E+005	5.686E+005	6.646E+005
-39	4.593E+005	5.370E+005	6.263E+005
-38	4.348E+005	5.073E+005	5.905E+005
-37	4.118E+005	4.795E+005	5.570E+005
-36	3.902E+005	4.534E+005	5.256E+005
-35	3.699E+005	4.289E+005	4.962E+005
-34	3.507E+005	4.059E+005	4.686E+005
-33	3.327E+005	3.842E+005	4.427E+005
-32	3.157E+005	3.639E+005	4.184E+005
-31	2.996E+005	3.447E+005	3.956E+005
-30	2.845E+005	3.266E+005	3.741E+005
-29	2.706E+005	3.102E+005	3.546E+005
-28	2.575E+005	2.945E+005	3.360E+005
-27	2.449E+005	2.796E+005	3.184E+005
-26	2.329E+005	2.654E+005	3.016E+005
-25	2.214E+005	2.519E+005	2.858E+005
-24	2.106E+005	2.390E+005	2.707E+005
-23	2.002E+005	2.269E+005	2.564E+005
-22	1.903E+005	2.153E+005	2.429E+005
-21	1.809E+005	2.043E+005	2.301E+005
-20	1.720E+005	1.939E+005	2.180E+005
-19	1.635E+005	1.839E+005	2.064E+005
-18	1.554E+005	1.745E+005	1.955E+005
-17	1.477E+005	1.656E+005	1.852E+005
-16	1.404E+005	1.571E+005	1.754E+005
-15	1.335E+005	1.491E+005	1.662E+005
-14	1.269E+005	1.416E+005	1.575E+005
-13	1.207E+005	1.344E+005	1.493E+005
-12	1.148E+005	1.276E+005	1.415E+005
-11	1.092E+005	1.212E+005	1.341E+005
-10	1.039E+005	1.151E+005	1.272E+005
-9	9.880E+004	1.093E+005	1.206E+005
-8	9.400E+004	1.038E+005	1.143E+005
-7	8.945E+004	9.862E+004	1.084E+005
-6	8.515E+004	9.372E+004	1.029E+005
-5	8.107E+004	8.909E+004	9.765E+004
-4	7.721E+004	8.471E+004	9.270E+004
-3	7.354E+004	8.056E+004	8.803E+004
-2	7.007E+004	7.664E+004	8.361E+004
-1	6.678E+004	7.293E+004	7.944E+004
0	6.366E+004	6.941E+004	7.549E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	6.366E+004	6.941E+004	7.549E+004
1	6.070E+004	6.608E+004	7.176E+004
2	5.789E+004	6.293E+004	6.823E+004
3	5.523E+004	5.994E+004	6.490E+004
4	5.270E+004	5.711E+004	6.174E+004
5	5.030E+004	5.443E+004	5.876E+004
6	4.802E+004	5.189E+004	5.593E+004
7	4.586E+004	4.948E+004	5.326E+004
8	4.381E+004	4.720E+004	5.072E+004
9	4.185E+004	4.503E+004	4.832E+004
10	4.000E+004	4.297E+004	4.605E+004
11	3.824E+004	4.102E+004	4.389E+004
12	3.656E+004	3.916E+004	4.185E+004
13	3.497E+004	3.740E+004	3.991E+004
14	3.345E+004	3.573E+004	3.808E+004
15	3.201E+004	3.415E+004	3.634E+004
16	3.064E+004	3.264E+004	3.468E+004
17	2.933E+004	3.121E+004	3.312E+004
18	2.809E+004	2.984E+004	3.163E+004
19	2.691E+004	2.855E+004	3.022E+004
20	2.578E+004	2.732E+004	2.887E+004
21	2.471E+004	2.615E+004	2.760E+004
22	2.369E+004	2.503E+004	2.639E+004
23	2.271E+004	2.397E+004	2.524E+004
24	2.179E+004	2.296E+004	2.414E+004
25	2.090E+004	2.200E+004	2.310E+004
26	2.000E+004	2.108E+004	2.217E+004
27	1.915E+004	2.021E+004	2.128E+004
28	1.834E+004	1.938E+004	2.043E+004
29	1.757E+004	1.859E+004	1.961E+004
30	1.683E+004	1.783E+004	1.884E+004
31	1.613E+004	1.711E+004	1.810E+004
32	1.546E+004	1.642E+004	1.739E+004
33	1.483E+004	1.576E+004	1.672E+004
34	1.422E+004	1.514E+004	1.608E+004
35	1.364E+004	1.454E+004	1.546E+004
36	1.309E+004	1.397E+004	1.487E+004
37	1.256E+004	1.342E+004	1.431E+004
38	1.206E+004	1.290E+004	1.377E+004
39	1.158E+004	1.240E+004	1.325E+004
40	1.113E+004	1.193E+004	1.276E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	1.113E+004	1.193E+004	1.276E+004
41	1.069E+004	1.147E+004	1.229E+004
42	1.027E+004	1.104E+004	1.183E+004
43	9.872E+003	1.062E+004	1.140E+004
44	9.491E+003	1.022E+004	1.098E+004
45	9.127E+003	9.842E+003	1.059E+004
46	8.778E+003	9.477E+003	1.021E+004
47	8.445E+003	9.127E+003	9.840E+003
48	8.126E+003	8.793E+003	9.490E+003
49	7.821E+003	8.472E+003	9.154E+003
50	7.529E+003	8.165E+003	8.832E+003
51	7.250E+003	7.870E+003	8.522E+003
52	6.982E+003	7.588E+003	8.226E+003
53	6.726E+003	7.317E+003	7.941E+003
54	6.480E+003	7.057E+003	7.667E+003
55	6.245E+003	6.809E+003	7.405E+003
56	6.019E+003	6.570E+003	7.153E+003
57	5.804E+003	6.341E+003	6.911E+003
58	5.597E+003	6.121E+003	6.678E+003
59	5.398E+003	5.910E+003	6.455E+003
60	5.208E+003	5.708E+003	6.240E+003
61	5.026E+003	5.514E+003	6.034E+003
62	4.851E+003	5.327E+003	5.836E+003
63	4.683E+003	5.148E+003	5.646E+003
64	4.522E+003	4.976E+003	5.463E+003
65	4.367E+003	4.811E+003	5.287E+003
66	4.219E+003	4.652E+003	5.117E+003
67	4.076E+003	4.499E+003	4.954E+003
68	3.939E+003	4.352E+003	4.796E+003
69	3.807E+003	4.210E+003	4.645E+003
70	3.680E+003	4.074E+003	4.499E+003
71	3.558E+003	3.943E+003	4.359E+003
72	3.441E+003	3.817E+003	4.223E+003
73	3.329E+003	3.696E+003	4.093E+003
74	3.220E+003	3.579E+003	3.967E+003
75	3.116E+003	3.466E+003	3.846E+003
76	3.015E+003	3.357E+003	3.729E+003
77	2.919E+003	3.253E+003	3.616E+003
78	2.826E+003	3.152E+003	3.507E+003
79	2.736E+003	3.055E+003	3.403E+003
80	2.650E+003	2.962E+003	3.301E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	2.650E+003	2.962E+003	3.301E+003
81	2.567E+003	2.871E+003	3.204E+003
82	2.487E+003	2.784E+003	3.110E+003
83	2.410E+003	2.700E+003	3.019E+003
84	2.335E+003	2.620E+003	2.931E+003
85	2.264E+003	2.541E+003	2.846E+003
86	2.195E+003	2.466E+003	2.764E+003
87	2.128E+003	2.393E+003	2.685E+003
88	2.064E+003	2.323E+003	2.609E+003
89	2.002E+003	2.256E+003	2.535E+003
90	1.942E+003	2.190E+003	2.463E+003
91	1.885E+003	2.127E+003	2.394E+003
92	1.829E+003	2.066E+003	2.328E+003
93	1.775E+003	2.007E+003	2.263E+003
94	1.724E+003	1.950E+003	2.201E+003
95	1.673E+003	1.895E+003	2.141E+003
96	1.625E+003	1.842E+003	2.082E+003
97	1.578E+003	1.790E+003	2.026E+003
98	1.533E+003	1.741E+003	1.971E+003
99	1.490E+003	1.693E+003	1.918E+003
100	1.447E+003	1.646E+003	1.867E+003
101	1.407E+003	1.601E+003	1.817E+003
102	1.367E+003	1.557E+003	1.769E+003
103	1.329E+003	1.515E+003	1.723E+003
104	1.292E+003	1.474E+003	1.678E+003
105	1.257E+003	1.435E+003	1.634E+003
106	1.222E+003	1.396E+003	1.592E+003
107	1.189E+003	1.359E+003	1.551E+003
108	1.156E+003	1.323E+003	1.511E+003
109	1.125E+003	1.289E+003	1.472E+003
110	1.095E+003	1.255E+003	1.435E+003
111	1.065E+003	1.222E+003	1.399E+003
112	1.037E+003	1.191E+003	1.363E+003
113	1.009E+003	1.160E+003	1.329E+003
114	9.828E+002	1.130E+003	1.296E+003
115	9.570E+002	1.101E+003	1.264E+003
116	9.320E+002	1.073E+003	1.233E+003
117	9.077E+002	1.046E+003	1.203E+003
118	8.843E+002	1.020E+003	1.173E+003
119	8.615E+002	9.944E+002	1.145E+003
120	8.394E+002	9.696E+002	1.117E+003
121	8.181E+002	9.456E+002	1.090E+003
122	7.973E+002	9.224E+002	1.064E+003
123	7.772E+002	8.998E+002	1.039E+003
124	7.578E+002	8.778E+002	1.014E+003
125	7.388E+002	8.566E+002	9.905E+002