NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3W303J [T,B]

RESISTANCE(at25℃)	30000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3950 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	7.166E+005	8.427E+005	9.885E+005
-39	6.753E+005	7.924E+005	9.275E+005
-38	6.368E+005	7.456E+005	8.708E+005
-37	6.007E+005	7.018E+005	8.180E+005
-36	5.669E+005	6.610E+005	7.688E+005
-35	5.353E+005	6.228E+005	7.229E+005
-34	5.057E+005	5.872E+005	6.800E+005
-33	4.779E+005	5.538E+005	6.400E+005
-32	4.519E+005	5.225E+005	6.027E+005
-31	4.274E+005	4.932E+005	5.678E+005
-30	4.045E+005	4.658E+005	5.351E+005
-29	3.828E+005	4.399E+005	5.044E+005
-28	3.624E+005	4.157E+005	4.757E+005
-27	3.433E+005	3.930E+005	4.488E+005
-26	3.253E+005	3.717E+005	4.237E+005
-25	3.084E+005	3.517E+005	4.001E+005
-24	2.925E+005	3.330E+005	3.781E+005
-23	2.776E+005	3.154E+005	3.574E+005
-22	2.635E+005	2.988E+005	3.379E+005
-21	2.502E+005	2.832E+005	3.197E+005
-20	2.377E+005	2.685E+005	3.026E+005
-19	2.262E+005	2.550E+005	2.869E+005
-18	2.152E+005	2.422E+005	2.720E+005
-17	2.048E+005	2.301E+005	2.578E+005
-16	1.948E+005	2.185E+005	2.444E+005
-15	1.854E+005	2.075E+005	2.318E+005
-14	1.764E+005	1.971E+005	2.197E+005
-13	1.679E+005	1.872E+005	2.084E+005
-12	1.597E+005	1.779E+005	1.976E+005
-11	1.520E+005	1.690E+005	1.874E+005
-10	1.447E+005	1.605E+005	1.777E+005
-9	1.376E+005	1.525E+005	1.685E+005
-8	1.310E+005	1.449E+005	1.598E+005
-7	1.247E+005	1.377E+005	1.516E+005
-6	1.187E+005	1.308E+005	1.438E+005
-5	1.130E+005	1.244E+005	1.365E+005
-4	1.076E+005	1.182E+005	1.296E+005
-3	1.025E+005	1.124E+005	1.230E+005
-2	9.763E+004	1.069E+005	1.168E+005
-1	9.302E+004	1.017E+005	1.109E+005
0	8.865E+004	9.677E+004	1.054E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	8.865E+004	9.677E+004	1.054E+005
1	8.448E+004	9.208E+004	1.001E+005
2	8.053E+004	8.763E+004	9.512E+004
3	7.678E+004	8.342E+004	9.041E+004
4	7.323E+004	7.944E+004	8.596E+004
5	6.985E+004	7.566E+004	8.174E+004
6	6.665E+004	7.208E+004	7.776E+004
7	6.360E+004	6.868E+004	7.398E+004
8	6.071E+004	6.546E+004	7.041E+004
9	5.797E+004	6.241E+004	6.702E+004
10	5.536E+004	5.951E+004	6.382E+004
11	5.288E+004	5.676E+004	6.078E+004
12	5.052E+004	5.415E+004	5.790E+004
13	4.828E+004	5.167E+004	5.517E+004
14	4.615E+004	4.932E+004	5.258E+004
15	4.412E+004	4.709E+004	5.013E+004
16	4.219E+004	4.496E+004	4.780E+004
17	4.036E+004	4.295E+004	4.559E+004
18	3.861E+004	4.103E+004	4.350E+004
19	3.695E+004	3.921E+004	4.151E+004
20	3.536E+004	3.748E+004	3.962E+004
21	3.386E+004	3.583E+004	3.783E+004
22	3.242E+004	3.426E+004	3.612E+004
23	3.105E+004	3.277E+004	3.450E+004
24	2.974E+004	3.135E+004	3.296E+004
25	2.850E+004	3.000E+004	3.150E+004
26	2.724E+004	2.871E+004	3.019E+004
27	2.604E+004	2.749E+004	2.894E+004
28	2.490E+004	2.632E+004	2.774E+004
29	2.382E+004	2.521E+004	2.661E+004
30	2.279E+004	2.415E+004	2.552E+004
31	2.181E+004	2.314E+004	2.449E+004
32	2.088E+004	2.218E+004	2.350E+004
33	1.999E+004	2.126E+004	2.256E+004
34	1.914E+004	2.039E+004	2.166E+004
35	1.834E+004	1.955E+004	2.080E+004
36	1.757E+004	1.876E+004	1.998E+004
37	1.684E+004	1.800E+004	1.920E+004
38	1.615E+004	1.728E+004	1.845E+004
39	1.548E+004	1.659E+004	1.773E+004
40	1.485E+004	1.593E+004	1.705E+004

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TYPE	TN20-3W303J [T,B]

RESISTANCE(at25℃)	30000 Ω	R-TOLERANCE(±)	5 %
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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	1.485E+004	1.593E+004	1.705E+004
41	1.425E+004	1.531E+004	1.640E+004
42	1.367E+004	1.471E+004	1.578E+004
43	1.313E+004	1.413E+004	1.518E+004
44	1.260E+004	1.359E+004	1.461E+004
45	1.210E+004	1.306E+004	1.406E+004
46	1.162E+004	1.256E+004	1.354E+004
47	1.117E+004	1.208E+004	1.304E+004
48	1.073E+004	1.162E+004	1.256E+004
49	1.032E+004	1.118E+004	1.210E+004
50	9.917E+003	1.076E+004	1.166E+004
51	9.534E+003	1.036E+004	1.123E+004
52	9.168E+003	9.974E+003	1.082E+004
53	8.818E+003	9.604E+003	1.043E+004
54	8.483E+003	9.250E+003	1.006E+004
55	8.163E+003	8.910E+003	9.702E+003
56	7.856E+003	8.585E+003	9.358E+003
57	7.563E+003	8.273E+003	9.028E+003
58	7.282E+003	7.975E+003	8.712E+003
59	7.013E+003	7.688E+003	8.408E+003
60	6.755E+003	7.414E+003	8.117E+003
61	6.509E+003	7.151E+003	7.837E+003
62	6.272E+003	6.898E+003	7.568E+003
63	6.046E+003	6.656E+003	7.310E+003
64	5.829E+003	6.424E+003	7.063E+003
65	5.620E+003	6.201E+003	6.825E+003
66	5.421E+003	5.987E+003	6.596E+003
67	5.229E+003	5.782E+003	6.376E+003
68	5.046E+003	5.584E+003	6.165E+003
69	4.870E+003	5.395E+003	5.961E+003
70	4.700E+003	5.213E+003	5.766E+003
71	4.539E+003	5.038E+003	5.579E+003
72	4.383E+003	4.870E+003	5.398E+003
73	4.234E+003	4.709E+003	5.225E+003
74	4.090E+003	4.554E+003	5.057E+003
75	3.952E+003	4.404E+003	4.896E+003
76	3.819E+003	4.261E+003	4.741E+003
77	3.692E+003	4.123E+003	4.592E+003
78	3.569E+003	3.990E+003	4.448E+003
79	3.451E+003	3.861E+003	4.309E+003
80	3.338E+003	3.738E+003	4.176E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	3.338E+003	3.738E+003	4.176E+003
81	3.229E+003	3.619E+003	4.047E+003
82	3.124E+003	3.505E+003	3.923E+003
83	3.023E+003	3.395E+003	3.803E+003
84	2.926E+003	3.289E+003	3.687E+003
85	2.832E+003	3.186E+003	3.576E+003
86	2.742E+003	3.087E+003	3.468E+003
87	2.655E+003	2.992E+003	3.364E+003
88	2.571E+003	2.900E+003	3.264E+003
89	2.490E+003	2.812E+003	3.167E+003
90	2.412E+003	2.726E+003	3.073E+003
91	2.337E+003	2.643E+003	2.983E+003
92	2.264E+003	2.563E+003	2.895E+003
93	2.194E+003	2.486E+003	2.811E+003
94	2.126E+003	2.412E+003	2.729E+003
95	2.061E+003	2.340E+003	2.650E+003
96	1.998E+003	2.271E+003	2.574E+003
97	1.938E+003	2.204E+003	2.500E+003
98	1.879E+003	2.139E+003	2.429E+003
99	1.823E+003	2.077E+003	2.360E+003
100	1.769E+003	2.016E+003	2.293E+003
101	1.716E+003	1.958E+003	2.229E+003
102	1.665E+003	1.902E+003	2.166E+003
103	1.616E+003	1.847E+003	2.106E+003
104	1.569E+003	1.795E+003	2.048E+003
105	1.523E+003	1.744E+003	1.992E+003
106	1.479E+003	1.695E+003	1.937E+003
107	1.436E+003	1.647E+003	1.884E+003
108	1.395E+003	1.601E+003	1.833E+003
109	1.355E+003	1.557E+003	1.784E+003
110	1.317E+003	1.514E+003	1.736E+003
111	1.279E+003	1.472E+003	1.689E+003
112	1.243E+003	1.432E+003	1.645E+003
113	1.209E+003	1.393E+003	1.601E+003
114	1.175E+003	1.355E+003	1.559E+003
115	1.143E+003	1.319E+003	1.518E+003
116	1.111E+003	1.283E+003	1.479E+003
117	1.081E+003	1.249E+003	1.441E+003
118	1.051E+003	1.216E+003	1.404E+003
119	1.023E+003	1.184E+003	1.368E+003
120	9.950E+002	1.153E+003	1.333E+003
121	9.683E+002	1.123E+003	1.299E+003
122	9.424E+002	1.094E+003	1.266E+003
123	9.173E+002	1.065E+003	1.234E+003
124	8.930E+002	1.038E+003	1.203E+003
125	8.695E+002	1.011E+003	1.173E+003