NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3W472J [T,B]

RESISTANCE(at25℃)	4700 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3950 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.663E+005	1.955E+005	2.294E+005
-39	1.550E+005	1.819E+005	2.129E+005
-38	1.445E+005	1.692E+005	1.977E+005
-37	1.349E+005	1.576E+005	1.837E+005
-36	1.259E+005	1.468E+005	1.708E+005
-35	1.177E+005	1.369E+005	1.589E+005
-34	1.100E+005	1.277E+005	1.479E+005
-33	1.029E+005	1.192E+005	1.377E+005
-32	9.625E+004	1.113E+005	1.284E+005
-31	9.011E+004	1.040E+005	1.197E+005
-30	8.441E+004	9.722E+004	1.117E+005
-29	7.913E+004	9.095E+004	1.043E+005
-28	7.421E+004	8.513E+004	9.741E+004
-27	6.963E+004	7.972E+004	9.104E+004
-26	6.537E+004	7.469E+004	8.512E+004
-25	6.139E+004	7.001E+004	7.964E+004
-24	5.768E+004	6.565E+004	7.454E+004
-23	5.421E+004	6.159E+004	6.979E+004
-22	5.098E+004	5.781E+004	6.539E+004
-21	4.796E+004	5.429E+004	6.129E+004
-20	4.514E+004	5.100E+004	5.747E+004
-19	4.251E+004	4.793E+004	5.391E+004
-18	4.004E+004	4.507E+004	5.060E+004
-17	3.773E+004	4.239E+004	4.751E+004
-16	3.558E+004	3.990E+004	4.463E+004
-15	3.356E+004	3.757E+004	4.195E+004
-14	3.166E+004	3.539E+004	3.945E+004
-13	2.989E+004	3.335E+004	3.711E+004
-12	2.823E+004	3.144E+004	3.492E+004
-11	2.667E+004	2.965E+004	3.288E+004
-10	2.521E+004	2.798E+004	3.097E+004
-9	2.384E+004	2.641E+004	2.919E+004
-8	2.255E+004	2.494E+004	2.752E+004
-7	2.134E+004	2.357E+004	2.596E+004
-6	2.021E+004	2.228E+004	2.449E+004
-5	1.914E+004	2.106E+004	2.312E+004
-4	1.814E+004	1.993E+004	2.184E+004
-3	1.719E+004	1.886E+004	2.063E+004
-2	1.630E+004	1.785E+004	1.950E+004
-1	1.546E+004	1.691E+004	1.844E+004
0	1.468E+004	1.602E+004	1.745E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.468E+004	1.602E+004	1.745E+004
1	1.393E+004	1.519E+004	1.651E+004
2	1.323E+004	1.440E+004	1.563E+004
3	1.257E+004	1.366E+004	1.480E+004
4	1.195E+004	1.296E+004	1.403E+004
5	1.136E+004	1.231E+004	1.330E+004
6	1.081E+004	1.169E+004	1.261E+004
7	1.028E+004	1.111E+004	1.196E+004
8	9.789E+003	1.056E+004	1.135E+004
9	9.322E+003	1.004E+004	1.078E+004
10	8.880E+003	9.546E+003	1.024E+004
11	8.462E+003	9.084E+003	9.726E+003
12	8.067E+003	8.647E+003	9.245E+003
13	7.693E+003	8.233E+003	8.790E+003
14	7.338E+003	7.843E+003	8.361E+003
15	7.003E+003	7.474E+003	7.956E+003
16	6.685E+003	7.124E+003	7.573E+003
17	6.383E+003	6.793E+003	7.211E+003
18	6.097E+003	6.480E+003	6.869E+003
19	5.826E+003	6.183E+003	6.546E+003
20	5.569E+003	5.902E+003	6.239E+003
21	5.325E+003	5.636E+003	5.949E+003
22	5.093E+003	5.383E+003	5.675E+003
23	4.873E+003	5.143E+003	5.415E+003
24	4.664E+003	4.916E+003	5.169E+003
25	4.465E+003	4.700E+003	4.935E+003
26	4.265E+003	4.495E+003	4.726E+003
27	4.075E+003	4.300E+003	4.527E+003
28	3.894E+003	4.115E+003	4.338E+003
29	3.723E+003	3.940E+003	4.159E+003
30	3.561E+003	3.773E+003	3.987E+003
31	3.406E+003	3.614E+003	3.824E+003
32	3.260E+003	3.463E+003	3.669E+003
33	3.120E+003	3.319E+003	3.521E+003
34	2.988E+003	3.182E+003	3.380E+003
35	2.862E+003	3.052E+003	3.246E+003
36	2.742E+003	2.928E+003	3.118E+003
37	2.628E+003	2.809E+003	2.996E+003
38	2.520E+003	2.697E+003	2.879E+003
39	2.416E+003	2.589E+003	2.768E+003
40	2.318E+003	2.487E+003	2.661E+003

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TYPE	TN20-3W472J [T,B]

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B-VALUE(25/50℃)	3950 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.318E+003	2.487E+003	2.661E+003
41	2.224E+003	2.389E+003	2.560E+003
42	2.135E+003	2.296E+003	2.463E+003
43	2.050E+003	2.207E+003	2.370E+003
44	1.969E+003	2.122E+003	2.282E+003
45	1.891E+003	2.041E+003	2.197E+003
46	1.817E+003	1.964E+003	2.116E+003
47	1.747E+003	1.889E+003	2.039E+003
48	1.679E+003	1.819E+003	1.965E+003
49	1.615E+003	1.751E+003	1.894E+003
50	1.554E+003	1.686E+003	1.826E+003
51	1.495E+003	1.625E+003	1.761E+003
52	1.439E+003	1.566E+003	1.699E+003
53	1.385E+003	1.509E+003	1.639E+003
54	1.334E+003	1.455E+003	1.582E+003
55	1.285E+003	1.403E+003	1.527E+003
56	1.238E+003	1.353E+003	1.475E+003
57	1.193E+003	1.305E+003	1.424E+003
58	1.150E+003	1.260E+003	1.376E+003
59	1.109E+003	1.216E+003	1.330E+003
60	1.070E+003	1.174E+003	1.285E+003
61	1.032E+003	1.134E+003	1.242E+003
62	9.954E+002	1.095E+003	1.201E+003
63	9.607E+002	1.058E+003	1.162E+003
64	9.273E+002	1.022E+003	1.124E+003
65	8.953E+002	9.878E+002	1.087E+003
66	8.646E+002	9.550E+002	1.052E+003
67	8.352E+002	9.234E+002	1.018E+003
68	8.070E+002	8.931E+002	9.859E+002
69	7.798E+002	8.639E+002	9.547E+002
70	7.538E+002	8.359E+002	9.247E+002
71	7.288E+002	8.090E+002	8.958E+002
72	7.047E+002	7.831E+002	8.679E+002
73	6.816E+002	7.582E+002	8.412E+002
74	6.594E+002	7.342E+002	8.154E+002
75	6.381E+002	7.111E+002	7.905E+002
76	6.176E+002	6.889E+002	7.666E+002
77	5.978E+002	6.676E+002	7.436E+002
78	5.788E+002	6.470E+002	7.213E+002
79	5.606E+002	6.272E+002	6.999E+002
80	5.430E+002	6.081E+002	6.792E+002

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.430E+002	6.081E+002	6.792E+002
81	5.261E+002	5.897E+002	6.593E+002
82	5.098E+002	5.720E+002	6.401E+002
83	4.941E+002	5.549E+002	6.216E+002
84	4.790E+002	5.384E+002	6.037E+002
85	4.644E+002	5.225E+002	5.864E+002
86	4.504E+002	5.072E+002	5.698E+002
87	4.369E+002	4.924E+002	5.536E+002
88	4.238E+002	4.781E+002	5.381E+002
89	4.112E+002	4.644E+002	5.231E+002
90	3.991E+002	4.511E+002	5.085E+002
91	3.874E+002	4.382E+002	4.945E+002
92	3.761E+002	4.258E+002	4.809E+002
93	3.651E+002	4.138E+002	4.678E+002
94	3.546E+002	4.022E+002	4.551E+002
95	3.444E+002	3.910E+002	4.428E+002
96	3.346E+002	3.802E+002	4.309E+002
97	3.251E+002	3.698E+002	4.195E+002
98	3.160E+002	3.597E+002	4.084E+002
99	3.071E+002	3.499E+002	3.976E+002
100	2.986E+002	3.404E+002	3.872E+002
101	2.903E+002	3.313E+002	3.771E+002
102	2.823E+002	3.225E+002	3.674E+002
103	2.746E+002	3.139E+002	3.579E+002
104	2.672E+002	3.056E+002	3.488E+002
105	2.599E+002	2.976E+002	3.399E+002
106	2.530E+002	2.899E+002	3.313E+002
107	2.462E+002	2.824E+002	3.230E+002
108	2.397E+002	2.751E+002	3.149E+002
109	2.333E+002	2.680E+002	3.071E+002
110	2.272E+002	2.612E+002	2.996E+002
111	2.213E+002	2.546E+002	2.922E+002
112	2.155E+002	2.482E+002	2.851E+002
113	2.100E+002	2.420E+002	2.782E+002
114	2.046E+002	2.360E+002	2.715E+002
115	1.994E+002	2.301E+002	2.650E+002
116	1.943E+002	2.245E+002	2.587E+002
117	1.894E+002	2.190E+002	2.525E+002
118	1.847E+002	2.137E+002	2.466E+002
119	1.801E+002	2.085E+002	2.408E+002
120	1.756E+002	2.035E+002	2.352E+002
121	1.713E+002	1.986E+002	2.298E+002
122	1.671E+002	1.939E+002	2.245E+002
123	1.630E+002	1.893E+002	2.193E+002
124	1.591E+002	1.849E+002	2.143E+002
125	1.552E+002	1.806E+002	2.095E+002