NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3U473J [T,B]

RESISTANCE(at25℃)	47000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3850 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.234E+006	1.447E+006	1.692E+006
-39	1.159E+006	1.356E+006	1.583E+006
-38	1.089E+006	1.272E+006	1.481E+006
-37	1.024E+006	1.193E+006	1.387E+006
-36	9.630E+005	1.120E+006	1.299E+006
-35	9.062E+005	1.052E+006	1.217E+006
-34	8.531E+005	9.880E+005	1.141E+006
-33	8.034E+005	9.286E+005	1.071E+006
-32	7.570E+005	8.732E+005	1.005E+006
-31	7.135E+005	8.215E+005	9.434E+005
-30	6.728E+005	7.731E+005	8.861E+005
-29	6.347E+005	7.279E+005	8.327E+005
-28	5.991E+005	6.857E+005	7.828E+005
-27	5.656E+005	6.461E+005	7.363E+005
-26	5.342E+005	6.091E+005	6.928E+005
-25	5.047E+005	5.744E+005	6.521E+005
-24	4.771E+005	5.420E+005	6.141E+005
-23	4.511E+005	5.115E+005	5.785E+005
-22	4.267E+005	4.830E+005	5.453E+005
-21	4.038E+005	4.562E+005	5.141E+005
-20	3.823E+005	4.311E+005	4.849E+005
-19	3.620E+005	4.075E+005	4.576E+005
-18	3.430E+005	3.854E+005	4.319E+005
-17	3.250E+005	3.645E+005	4.079E+005
-16	3.081E+005	3.450E+005	3.853E+005
-15	2.922E+005	3.266E+005	3.641E+005
-14	2.771E+005	3.092E+005	3.442E+005
-13	2.630E+005	2.929E+005	3.255E+005
-12	2.496E+005	2.776E+005	3.079E+005
-11	2.370E+005	2.631E+005	2.914E+005
-10	2.251E+005	2.495E+005	2.758E+005
-9	2.139E+005	2.366E+005	2.612E+005
-8	2.033E+005	2.245E+005	2.474E+005
-7	1.932E+005	2.131E+005	2.344E+005
-6	1.838E+005	2.023E+005	2.222E+005
-5	1.748E+005	1.922E+005	2.107E+005
-4	1.663E+005	1.826E+005	1.999E+005
-3	1.583E+005	1.735E+005	1.896E+005
-2	1.508E+005	1.649E+005	1.800E+005
-1	1.436E+005	1.568E+005	1.709E+005
0	1.368E+005	1.492E+005	1.623E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.368E+005	1.492E+005	1.623E+005
1	1.304E+005	1.420E+005	1.542E+005
2	1.243E+005	1.351E+005	1.466E+005
3	1.185E+005	1.287E+005	1.393E+005
4	1.131E+005	1.226E+005	1.325E+005
5	1.079E+005	1.168E+005	1.261E+005
6	1.030E+005	1.113E+005	1.200E+005
7	9.829E+004	1.061E+005	1.142E+005
8	9.386E+004	1.011E+005	1.087E+005
9	8.966E+004	9.648E+004	1.035E+005
10	8.567E+004	9.205E+004	9.865E+004
11	8.188E+004	8.785E+004	9.402E+004
12	7.828E+004	8.387E+004	8.963E+004
13	7.485E+004	8.008E+004	8.547E+004
14	7.160E+004	7.649E+004	8.152E+004
15	6.850E+004	7.308E+004	7.778E+004
16	6.556E+004	6.985E+004	7.423E+004
17	6.276E+004	6.677E+004	7.086E+004
18	6.009E+004	6.384E+004	6.766E+004
19	5.755E+004	6.106E+004	6.463E+004
20	5.513E+004	5.842E+004	6.175E+004
21	5.283E+004	5.590E+004	5.901E+004
22	5.064E+004	5.351E+004	5.641E+004
23	4.854E+004	5.123E+004	5.394E+004
24	4.655E+004	4.906E+004	5.159E+004
25	4.465E+004	4.700E+004	4.935E+004
26	4.273E+004	4.503E+004	4.735E+004
27	4.090E+004	4.316E+004	4.543E+004
28	3.915E+004	4.137E+004	4.361E+004
29	3.750E+004	3.967E+004	4.187E+004
30	3.592E+004	3.805E+004	4.021E+004
31	3.441E+004	3.650E+004	3.862E+004
32	3.298E+004	3.503E+004	3.710E+004
33	3.161E+004	3.362E+004	3.566E+004
34	3.031E+004	3.227E+004	3.427E+004
35	2.907E+004	3.099E+004	3.295E+004
36	2.789E+004	2.976E+004	3.168E+004
37	2.676E+004	2.859E+004	3.047E+004
38	2.568E+004	2.747E+004	2.932E+004
39	2.465E+004	2.640E+004	2.821E+004
40	2.367E+004	2.538E+004	2.715E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	2.367E+004	2.538E+004	2.715E+004
41	2.273E+004	2.440E+004	2.614E+004
42	2.184E+004	2.347E+004	2.516E+004
43	2.098E+004	2.258E+004	2.423E+004
44	2.016E+004	2.172E+004	2.334E+004
45	1.938E+004	2.090E+004	2.249E+004
46	1.863E+004	2.012E+004	2.167E+004
47	1.792E+004	1.937E+004	2.089E+004
48	1.724E+004	1.865E+004	2.014E+004
49	1.658E+004	1.797E+004	1.942E+004
50	1.596E+004	1.731E+004	1.873E+004
51	1.536E+004	1.668E+004	1.806E+004
52	1.479E+004	1.607E+004	1.743E+004
53	1.424E+004	1.549E+004	1.682E+004
54	1.371E+004	1.494E+004	1.623E+004
55	1.321E+004	1.441E+004	1.567E+004
56	1.273E+004	1.389E+004	1.513E+004
57	1.227E+004	1.340E+004	1.461E+004
58	1.182E+004	1.293E+004	1.412E+004
59	1.140E+004	1.248E+004	1.364E+004
60	1.099E+004	1.205E+004	1.318E+004
61	1.060E+004	1.163E+004	1.273E+004
62	1.022E+004	1.123E+004	1.231E+004
63	9.864E+003	1.085E+004	1.190E+004
64	9.518E+003	1.048E+004	1.151E+004
65	9.187E+003	1.012E+004	1.113E+004
66	8.868E+003	9.783E+003	1.076E+004
67	8.563E+003	9.455E+003	1.041E+004
68	8.269E+003	9.140E+003	1.008E+004
69	7.987E+003	8.836E+003	9.752E+003
70	7.716E+003	8.545E+003	9.440E+003
71	7.455E+003	8.264E+003	9.139E+003
72	7.204E+003	7.994E+003	8.849E+003
73	6.964E+003	7.735E+003	8.570E+003
74	6.732E+003	7.485E+003	8.301E+003
75	6.509E+003	7.244E+003	8.041E+003
76	6.295E+003	7.012E+003	7.791E+003
77	6.089E+003	6.789E+003	7.550E+003
78	5.890E+003	6.574E+003	7.318E+003
79	5.700E+003	6.367E+003	7.094E+003
80	5.516E+003	6.167E+003	6.878E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	5.516E+003	6.167E+003	6.878E+003
81	5.339E+003	5.975E+003	6.670E+003
82	5.168E+003	5.789E+003	6.469E+003
83	5.004E+003	5.611E+003	6.275E+003
84	4.846E+003	5.438E+003	6.088E+003
85	4.694E+003	5.272E+003	5.907E+003
86	4.547E+003	5.112E+003	5.732E+003
87	4.405E+003	4.957E+003	5.564E+003
88	4.269E+003	4.808E+003	5.401E+003
89	4.137E+003	4.663E+003	5.244E+003
90	4.010E+003	4.524E+003	5.092E+003
91	3.888E+003	4.390E+003	4.945E+003
92	3.770E+003	4.260E+003	4.803E+003
93	3.656E+003	4.135E+003	4.666E+003
94	3.546E+003	4.014E+003	4.533E+003
95	3.440E+003	3.897E+003	4.405E+003
96	3.337E+003	3.784E+003	4.281E+003
97	3.238E+003	3.675E+003	4.161E+003
98	3.142E+003	3.569E+003	4.044E+003
99	3.049E+003	3.467E+003	3.932E+003
100	2.960E+003	3.368E+003	3.823E+003
101	2.873E+003	3.271E+003	3.716E+003
102	2.788E+003	3.178E+003	3.613E+003
103	2.707E+003	3.088E+003	3.514E+003
104	2.629E+003	3.001E+003	3.417E+003
105	2.553E+003	2.917E+003	3.324E+003
106	2.480E+003	2.836E+003	3.234E+003
107	2.409E+003	2.757E+003	3.147E+003
108	2.341E+003	2.681E+003	3.063E+003
109	2.276E+003	2.608E+003	2.982E+003
110	2.212E+003	2.537E+003	2.903E+003
111	2.151E+003	2.470E+003	2.828E+003
112	2.093E+003	2.404E+003	2.755E+003
113	2.036E+003	2.341E+003	2.684E+003
114	1.981E+003	2.279E+003	2.616E+003
115	1.927E+003	2.219E+003	2.549E+003
116	1.875E+003	2.161E+003	2.484E+003
117	1.825E+003	2.105E+003	2.422E+003
118	1.776E+003	2.050E+003	2.361E+003
119	1.729E+003	1.998E+003	2.301E+003
120	1.684E+003	1.946E+003	2.244E+003
121	1.639E+003	1.896E+003	2.188E+003
122	1.596E+003	1.848E+003	2.134E+003
123	1.555E+003	1.801E+003	2.081E+003
124	1.514E+003	1.755E+003	2.030E+003
125	1.475E+003	1.711E+003	1.980E+003