NTC THERMISTOR R-T CHARACTERISTICS

TYPE	CN25-3G501H*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	500 Ω	R+TOLERANCE(%)	3	R-TOLERANCE(%)	3
B(T1℃/T2℃)	3450 K	B+TOLERANCE(K)	103.5	B-TOLERANCE(K)	103.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	9.350E+03	1.062E+04	1.205E+04
-39	8.846E+03	1.003E+04	1.136E+04
-38	8.373E+03	9.473E+03	1.071E+04
-37	7.927E+03	8.952E+03	1.010E+04
-36	7.508E+03	8.463E+03	9.532E+03
-35	7.114E+03	8.004E+03	8.998E+03
-34	6.743E+03	7.573E+03	8.498E+03
-33	6.393E+03	7.168E+03	8.028E+03
-32	6.064E+03	6.786E+03	7.588E+03
-31	5.754E+03	6.428E+03	7.174E+03
-30	5.461E+03	6.090E+03	6.785E+03
-29	5.185E+03	5.772E+03	6.420E+03
-28	4.925E+03	5.473E+03	6.076E+03
-27	4.679E+03	5.190E+03	5.753E+03
-26	4.447E+03	4.925E+03	5.449E+03
-25	4.228E+03	4.674E+03	5.163E+03
-24	4.021E+03	4.438E+03	4.894E+03
-23	3.825E+03	4.215E+03	4.641E+03
-22	3.641E+03	4.005E+03	4.402E+03
-21	3.466E+03	3.807E+03	4.177E+03
-20	3.301E+03	3.619E+03	3.965E+03
-19	3.145E+03	3.443E+03	3.766E+03
-18	2.997E+03	3.276E+03	3.577E+03
-17	2.857E+03	3.117E+03	3.399E+03
-16	2.724E+03	2.968E+03	3.231E+03
-15	2.598E+03	2.826E+03	3.072E+03
-14	2.479E+03	2.692E+03	2.922E+03
-13	2.366E+03	2.566E+03	2.780E+03
-12	2.258E+03	2.445E+03	2.646E+03
-11	2.156E+03	2.331E+03	2.519E+03
-10	2.059E+03	2.223E+03	2.398E+03
-9	1.967E+03	2.121E+03	2.284E+03
-8	1.880E+03	2.024E+03	2.177E+03
-7	1.797E+03	1.932E+03	2.074E+03
-6	1.718E+03	1.844E+03	1.978E+03
-5	1.643E+03	1.761E+03	1.886E+03
-4	1.572E+03	1.682E+03	1.799E+03
-3	1.504E+03	1.608E+03	1.717E+03
-2	1.440E+03	1.537E+03	1.638E+03
-1	1.379E+03	1.469E+03	1.564E+03
0	1.320E+03	1.405E+03	1.494E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.320E+03	1.405E+03	1.494E+03
1	1.265E+03	1.344E+03	1.427E+03
2	1.212E+03	1.286E+03	1.364E+03
3	1.162E+03	1.231E+03	1.304E+03
4	1.114E+03	1.179E+03	1.246E+03
5	1.068E+03	1.129E+03	1.192E+03
6	1.024E+03	1.081E+03	1.140E+03
7	9.827E+02	1.036E+03	1.091E+03
8	9.430E+02	9.928E+02	1.044E+03
9	9.052E+02	9.517E+02	9.997E+02
10	8.690E+02	9.125E+02	9.574E+02
11	8.346E+02	8.752E+02	9.170E+02
12	8.016E+02	8.396E+02	8.786E+02
13	7.702E+02	8.057E+02	8.420E+02
14	7.402E+02	7.733E+02	8.071E+02
15	7.114E+02	7.423E+02	7.739E+02
16	6.840E+02	7.128E+02	7.422E+02
17	6.578E+02	6.847E+02	7.120E+02
18	6.327E+02	6.578E+02	6.832E+02
19	6.087E+02	6.320E+02	6.557E+02
20	5.858E+02	6.075E+02	6.294E+02
21	5.638E+02	5.840E+02	6.044E+02
22	5.428E+02	5.616E+02	5.805E+02
23	5.227E+02	5.401E+02	5.576E+02
24	5.034E+02	5.196E+02	5.358E+02
25	4.850E+02	5.000E+02	5.150E+02
26	4.662E+02	4.812E+02	4.962E+02
27	4.483E+02	4.633E+02	4.783E+02
28	4.312E+02	4.461E+02	4.610E+02
29	4.148E+02	4.296E+02	4.445E+02
30	3.991E+02	4.138E+02	4.287E+02
31	3.841E+02	3.987E+02	4.135E+02
32	3.697E+02	3.842E+02	3.989E+02
33	3.560E+02	3.704E+02	3.849E+02
34	3.428E+02	3.571E+02	3.715E+02
35	3.302E+02	3.443E+02	3.587E+02
36	3.182E+02	3.321E+02	3.463E+02
37	3.066E+02	3.204E+02	3.344E+02
38	2.955E+02	3.091E+02	3.230E+02
39	2.849E+02	2.983E+02	3.121E+02
40	2.747E+02	2.879E+02	3.015E+02
41	2.649E+02	2.780E+02	2.914E+02
42	2.555E+02	2.684E+02	2.817E+02
43	2.465E+02	2.592E+02	2.723E+02
44	2.379E+02	2.504E+02	2.633E+02
45	2.296E+02	2.419E+02	2.547E+02
46	2.217E+02	2.338E+02	2.464E+02
47	2.140E+02	2.260E+02	2.384E+02
48	2.067E+02	2.184E+02	2.307E+02
49	1.996E+02	2.112E+02	2.233E+02
50	1.929E+02	2.043E+02	2.161E+02

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25	25	50

R at T0℃	500 Ω	R+TOLERANCE(%)	3	R-TOLERANCE(%)	3
B(T1℃/T2℃)	3450 K	B+TOLERANCE(K)	103.5	B-TOLERANCE(K)	103.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	1.929E+02	2.043E+02	2.161E+02
51	1.864E+02	1.976E+02	2.093E+02
52	1.802E+02	1.912E+02	2.027E+02
53	1.742E+02	1.850E+02	1.963E+02
54	1.684E+02	1.790E+02	1.902E+02
55	1.628E+02	1.733E+02	1.843E+02
56	1.575E+02	1.678E+02	1.786E+02
57	1.524E+02	1.625E+02	1.731E+02
58	1.474E+02	1.574E+02	1.678E+02
59	1.427E+02	1.524E+02	1.627E+02
60	1.381E+02	1.477E+02	1.578E+02
61	1.337E+02	1.431E+02	1.530E+02
62	1.295E+02	1.387E+02	1.485E+02
63	1.254E+02	1.345E+02	1.440E+02
64	1.215E+02	1.304E+02	1.398E+02
65	1.177E+02	1.264E+02	1.357E+02
66	1.140E+02	1.226E+02	1.317E+02
67	1.105E+02	1.189E+02	1.278E+02
68	1.071E+02	1.154E+02	1.241E+02
69	1.038E+02	1.119E+02	1.206E+02
70	1.007E+02	1.086E+02	1.171E+02
71	9.763E+01	1.054E+02	1.137E+02
72	9.468E+01	1.023E+02	1.105E+02
73	9.184E+01	9.935E+01	1.074E+02
74	8.910E+01	9.647E+01	1.044E+02
75	8.646E+01	9.369E+01	1.014E+02
76	8.390E+01	9.100E+01	9.860E+01
77	8.144E+01	8.840E+01	9.586E+01
78	7.905E+01	8.588E+01	9.322E+01
79	7.675E+01	8.345E+01	9.066E+01
80	7.453E+01	8.111E+01	8.818E+01
81	7.239E+01	7.884E+01	8.579E+01
82	7.032E+01	7.665E+01	8.347E+01
83	6.831E+01	7.452E+01	8.122E+01
84	6.638E+01	7.247E+01	7.905E+01
85	6.451E+01	7.048E+01	7.694E+01
86	6.269E+01	6.856E+01	7.490E+01
87	6.094E+01	6.670E+01	7.293E+01
88	5.925E+01	6.489E+01	7.101E+01
89	5.760E+01	6.314E+01	6.915E+01
90	5.602E+01	6.145E+01	6.735E+01
91	5.448E+01	5.981E+01	6.560E+01
92	5.299E+01	5.822E+01	6.391E+01
93	5.154E+01	5.668E+01	6.226E+01
94	5.015E+01	5.518E+01	6.067E+01
95	4.879E+01	5.373E+01	5.912E+01
96	4.748E+01	5.233E+01	5.762E+01
97	4.622E+01	5.097E+01	5.617E+01
98	4.499E+01	4.966E+01	5.476E+01
99	4.380E+01	4.838E+01	5.339E+01
100	4.264E+01	4.714E+01	5.206E+01

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	4.264E+01	4.714E+01	5.206E+01
101	4.153E+01	4.594E+01	5.078E+01
102	4.045E+01	4.478E+01	4.953E+01
103	3.940E+01	4.365E+01	4.832E+01
104	3.839E+01	4.256E+01	4.714E+01
105	3.740E+01	4.149E+01	4.600E+01
106	3.644E+01	4.046E+01	4.488E+01
107	3.551E+01	3.946E+01	4.380E+01
108	3.461E+01	3.849E+01	4.275E+01
109	3.374E+01	3.754E+01	4.173E+01
110	3.289E+01	3.662E+01	4.074E+01