NTC THERMISTOR R-T CHARACTERISTICS

TYPE	CN25-3U503H*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	50000 Ω	R+TOLERANCE(%)	3	R-TOLERANCE(%)	3
B(T1℃/T2℃)	3950 K	B+TOLERANCE(K)	118.5	B-TOLERANCE(K)	118.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.339E+06	1.542E+06	1.775E+06
-39	1.260E+06	1.448E+06	1.662E+06
-38	1.186E+06	1.360E+06	1.558E+06
-37	1.116E+06	1.277E+06	1.460E+06
-36	1.051E+06	1.200E+06	1.370E+06
-35	9.905E+05	1.129E+06	1.285E+06
-34	9.335E+05	1.062E+06	1.206E+06
-33	8.801E+05	9.988E+05	1.132E+06
-32	8.301E+05	9.401E+05	1.064E+06
-31	7.832E+05	8.852E+05	9.995E+05
-30	7.392E+05	8.338E+05	9.395E+05
-29	6.979E+05	7.856E+05	8.835E+05
-28	6.591E+05	7.405E+05	8.311E+05
-27	6.227E+05	6.982E+05	7.822E+05
-26	5.885E+05	6.586E+05	7.363E+05
-25	5.564E+05	6.214E+05	6.934E+05
-24	5.262E+05	5.866E+05	6.533E+05
-23	4.978E+05	5.538E+05	6.156E+05
-22	4.710E+05	5.231E+05	5.804E+05
-21	4.459E+05	4.942E+05	5.474E+05
-20	4.222E+05	4.671E+05	5.164E+05
-19	3.999E+05	4.417E+05	4.873E+05
-18	3.789E+05	4.177E+05	4.601E+05
-17	3.592E+05	3.952E+05	4.345E+05
-16	3.405E+05	3.740E+05	4.104E+05
-15	3.229E+05	3.541E+05	3.878E+05
-14	3.063E+05	3.353E+05	3.666E+05
-13	2.907E+05	3.176E+05	3.467E+05
-12	2.759E+05	3.009E+05	3.279E+05
-11	2.620E+05	2.852E+05	3.103E+05
-10	2.488E+05	2.704E+05	2.937E+05
-9	2.364E+05	2.565E+05	2.780E+05
-8	2.246E+05	2.433E+05	2.633E+05
-7	2.135E+05	2.309E+05	2.494E+05
-6	2.030E+05	2.191E+05	2.364E+05
-5	1.931E+05	2.081E+05	2.241E+05
-4	1.837E+05	1.976E+05	2.125E+05
-3	1.748E+05	1.878E+05	2.015E+05
-2	1.664E+05	1.785E+05	1.912E+05
-1	1.584E+05	1.697E+05	1.815E+05
0	1.509E+05	1.613E+05	1.723E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.509E+05	1.613E+05	1.723E+05
1	1.438E+05	1.535E+05	1.637E+05
2	1.370E+05	1.460E+05	1.555E+05
3	1.306E+05	1.390E+05	1.478E+05
4	1.245E+05	1.323E+05	1.404E+05
5	1.188E+05	1.260E+05	1.335E+05
6	1.133E+05	1.200E+05	1.270E+05
7	1.081E+05	1.144E+05	1.208E+05
8	1.032E+05	1.090E+05	1.150E+05
9	9.853E+04	1.039E+05	1.094E+05
10	9.409E+04	9.906E+04	1.042E+05
11	8.987E+04	9.448E+04	9.924E+04
12	8.586E+04	9.014E+04	9.454E+04
13	8.206E+04	8.602E+04	9.009E+04
14	7.844E+04	8.210E+04	8.586E+04
15	7.499E+04	7.839E+04	8.186E+04
16	7.172E+04	7.486E+04	7.806E+04
17	6.860E+04	7.151E+04	7.446E+04
18	6.564E+04	6.832E+04	7.105E+04
19	6.282E+04	6.529E+04	6.780E+04
20	6.013E+04	6.242E+04	6.473E+04
21	5.758E+04	5.968E+04	6.180E+04
22	5.514E+04	5.708E+04	5.903E+04
23	5.282E+04	5.460E+04	5.639E+04
24	5.061E+04	5.224E+04	5.388E+04
25	4.850E+04	5.000E+04	5.150E+04
26	4.637E+04	4.786E+04	4.937E+04
27	4.434E+04	4.583E+04	4.733E+04
28	4.241E+04	4.389E+04	4.539E+04
29	4.057E+04	4.205E+04	4.354E+04
30	3.883E+04	4.029E+04	4.177E+04
31	3.716E+04	3.861E+04	4.009E+04
32	3.558E+04	3.702E+04	3.848E+04
33	3.407E+04	3.549E+04	3.694E+04
34	3.264E+04	3.404E+04	3.547E+04
35	3.127E+04	3.265E+04	3.407E+04
36	2.996E+04	3.133E+04	3.273E+04
37	2.872E+04	3.007E+04	3.145E+04
38	2.753E+04	2.886E+04	3.023E+04
39	2.640E+04	2.771E+04	2.905E+04
40	2.532E+04	2.661E+04	2.793E+04
41	2.429E+04	2.556E+04	2.686E+04
42	2.331E+04	2.455E+04	2.584E+04
43	2.237E+04	2.359E+04	2.486E+04
44	2.148E+04	2.267E+04	2.392E+04
45	2.062E+04	2.180E+04	2.302E+04
46	1.980E+04	2.095E+04	2.216E+04
47	1.902E+04	2.015E+04	2.133E+04
48	1.827E+04	1.938E+04	2.054E+04
49	1.756E+04	1.865E+04	1.978E+04
50	1.688E+04	1.794E+04	1.906E+04

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B(T1℃/T2℃)	3950 K	B+TOLERANCE(K)	118.5	B-TOLERANCE(K)	118.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	1.688E+04	1.794E+04	1.906E+04
51	1.622E+04	1.727E+04	1.836E+04
52	1.560E+04	1.662E+04	1.769E+04
53	1.500E+04	1.600E+04	1.705E+04
54	1.443E+04	1.541E+04	1.644E+04
55	1.388E+04	1.484E+04	1.585E+04
56	1.336E+04	1.429E+04	1.528E+04
57	1.285E+04	1.377E+04	1.474E+04
58	1.237E+04	1.327E+04	1.422E+04
59	1.191E+04	1.279E+04	1.372E+04
60	1.147E+04	1.233E+04	1.324E+04
61	1.105E+04	1.189E+04	1.278E+04
62	1.064E+04	1.147E+04	1.234E+04
63	1.026E+04	1.106E+04	1.191E+04
64	9.883E+03	1.067E+04	1.151E+04
65	9.526E+03	1.029E+04	1.111E+04
66	9.184E+03	9.934E+03	1.074E+04
67	8.855E+03	9.588E+03	1.037E+04
68	8.540E+03	9.256E+03	1.002E+04
69	8.237E+03	8.937E+03	9.688E+03
70	7.946E+03	8.631E+03	9.365E+03
71	7.668E+03	8.336E+03	9.055E+03
72	7.400E+03	8.053E+03	8.756E+03
73	7.143E+03	7.781E+03	8.468E+03
74	6.895E+03	7.519E+03	8.191E+03
75	6.658E+03	7.267E+03	7.925E+03
76	6.430E+03	7.025E+03	7.668E+03
77	6.210E+03	6.791E+03	7.420E+03
78	5.999E+03	6.567E+03	7.182E+03
79	5.796E+03	6.351E+03	6.952E+03
80	5.601E+03	6.143E+03	6.731E+03
81	5.413E+03	5.942E+03	6.518E+03
82	5.232E+03	5.749E+03	6.312E+03
83	5.058E+03	5.563E+03	6.113E+03
84	4.891E+03	5.384E+03	5.922E+03
85	4.730E+03	5.212E+03	5.738E+03
86	4.575E+03	5.045E+03	5.560E+03
87	4.425E+03	4.885E+03	5.388E+03
88	4.281E+03	4.731E+03	5.223E+03
89	4.143E+03	4.582E+03	5.063E+03
90	4.010E+03	4.438E+03	4.909E+03
91	3.881E+03	4.300E+03	4.760E+03
92	3.757E+03	4.166E+03	4.616E+03
93	3.638E+03	4.038E+03	4.477E+03
94	3.523E+03	3.913E+03	4.343E+03
95	3.412E+03	3.793E+03	4.214E+03
96	3.305E+03	3.678E+03	4.089E+03
97	3.202E+03	3.566E+03	3.968E+03
98	3.102E+03	3.458E+03	3.852E+03
99	3.006E+03	3.354E+03	3.739E+03
100	2.914E+03	3.254E+03	3.630E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	2.914E+03	3.254E+03	3.630E+03
101	2.824E+03	3.157E+03	3.525E+03
102	2.738E+03	3.063E+03	3.423E+03
103	2.655E+03	2.972E+03	3.325E+03
104	2.575E+03	2.885E+03	3.230E+03
105	2.497E+03	2.800E+03	3.137E+03
106	2.422E+03	2.719E+03	3.048E+03
107	2.350E+03	2.640E+03	2.962E+03
108	2.280E+03	2.563E+03	2.879E+03
109	2.213E+03	2.489E+03	2.798E+03
110	2.147E+03	2.418E+03	2.720E+03