NTC THERMISTOR R-T CHARACTERISTICS

TYPE	CN25-3U303H*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	30000 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	8.034E+05	9.253E+05	1.065E+06
-39	7.558E+05	8.686E+05	9.973E+05
-38	7.113E+05	8.157E+05	9.346E+05
-37	6.697E+05	7.664E+05	8.762E+05
-36	6.308E+05	7.203E+05	8.217E+05
-35	5.943E+05	6.772E+05	7.710E+05
-34	5.601E+05	6.369E+05	7.236E+05
-33	5.281E+05	5.993E+05	6.794E+05
-32	4.981E+05	5.641E+05	6.382E+05
-31	4.699E+05	5.311E+05	5.997E+05
-30	4.435E+05	5.003E+05	5.637E+05
-29	4.187E+05	4.714E+05	5.301E+05
-28	3.955E+05	4.443E+05	4.987E+05
-27	3.736E+05	4.189E+05	4.693E+05
-26	3.531E+05	3.952E+05	4.418E+05
-25	3.338E+05	3.729E+05	4.161E+05
-24	3.157E+05	3.519E+05	3.920E+05
-23	2.987E+05	3.323E+05	3.694E+05
-22	2.826E+05	3.139E+05	3.482E+05
-21	2.675E+05	2.965E+05	3.284E+05
-20	2.533E+05	2.803E+05	3.098E+05
-19	2.400E+05	2.650E+05	2.924E+05
-18	2.274E+05	2.506E+05	2.760E+05
-17	2.155E+05	2.371E+05	2.607E+05
-16	2.043E+05	2.244E+05	2.463E+05
-15	1.938E+05	2.124E+05	2.327E+05
-14	1.838E+05	2.012E+05	2.200E+05
-13	1.744E+05	1.906E+05	2.080E+05
-12	1.656E+05	1.806E+05	1.968E+05
-11	1.572E+05	1.711E+05	1.862E+05
-10	1.493E+05	1.623E+05	1.762E+05
-9	1.418E+05	1.539E+05	1.668E+05
-8	1.348E+05	1.460E+05	1.580E+05
-7	1.281E+05	1.385E+05	1.497E+05
-6	1.218E+05	1.315E+05	1.418E+05
-5	1.158E+05	1.248E+05	1.344E+05
-4	1.102E+05	1.186E+05	1.275E+05
-3	1.049E+05	1.127E+05	1.209E+05
-2	9.983E+04	1.071E+05	1.147E+05
-1	9.506E+04	1.018E+05	1.089E+05
0	9.054E+04	9.680E+04	1.034E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	9.054E+04	9.680E+04	1.034E+05
1	8.626E+04	9.208E+04	9.820E+04
2	8.221E+04	8.761E+04	9.329E+04
3	7.836E+04	8.339E+04	8.865E+04
4	7.472E+04	7.939E+04	8.427E+04
5	7.126E+04	7.560E+04	8.012E+04
6	6.799E+04	7.201E+04	7.620E+04
7	6.487E+04	6.861E+04	7.250E+04
8	6.192E+04	6.539E+04	6.899E+04
9	5.912E+04	6.233E+04	6.567E+04
10	5.645E+04	5.944E+04	6.252E+04
11	5.392E+04	5.669E+04	5.954E+04
12	5.152E+04	5.408E+04	5.672E+04
13	4.923E+04	5.161E+04	5.405E+04
14	4.706E+04	4.926E+04	5.152E+04
15	4.500E+04	4.703E+04	4.912E+04
16	4.303E+04	4.491E+04	4.684E+04
17	4.116E+04	4.290E+04	4.468E+04
18	3.938E+04	4.099E+04	4.263E+04
19	3.769E+04	3.918E+04	4.068E+04
20	3.608E+04	3.745E+04	3.884E+04
21	3.455E+04	3.581E+04	3.708E+04
22	3.308E+04	3.425E+04	3.542E+04
23	3.169E+04	3.276E+04	3.383E+04
24	3.036E+04	3.135E+04	3.233E+04
25	2.910E+04	3.000E+04	3.090E+04
26	2.782E+04	2.872E+04	2.962E+04
27	2.660E+04	2.750E+04	2.840E+04
28	2.545E+04	2.634E+04	2.723E+04
29	2.434E+04	2.523E+04	2.612E+04
30	2.330E+04	2.417E+04	2.506E+04
31	2.230E+04	2.317E+04	2.405E+04
32	2.135E+04	2.221E+04	2.309E+04
33	2.044E+04	2.130E+04	2.216E+04
34	1.958E+04	2.042E+04	2.128E+04
35	1.876E+04	1.959E+04	2.044E+04
36	1.798E+04	1.880E+04	1.964E+04
37	1.723E+04	1.804E+04	1.887E+04
38	1.652E+04	1.732E+04	1.814E+04
39	1.584E+04	1.663E+04	1.743E+04
40	1.519E+04	1.597E+04	1.676E+04
41	1.458E+04	1.533E+04	1.612E+04
42	1.399E+04	1.473E+04	1.550E+04
43	1.342E+04	1.416E+04	1.491E+04
44	1.289E+04	1.360E+04	1.435E+04
45	1.237E+04	1.308E+04	1.381E+04
46	1.188E+04	1.257E+04	1.329E+04
47	1.141E+04	1.209E+04	1.280E+04
48	1.096E+04	1.163E+04	1.232E+04
49	1.054E+04	1.119E+04	1.187E+04
50	1.013E+04	1.076E+04	1.143E+04

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25	25	50

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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	1.013E+04	1.076E+04	1.143E+04
51	9.733E+03	1.036E+04	1.102E+04
52	9.358E+03	9.972E+03	1.062E+04
53	9.000E+03	9.600E+03	1.023E+04
54	8.656E+03	9.244E+03	9.863E+03
55	8.328E+03	8.903E+03	9.510E+03
56	8.013E+03	8.576E+03	9.171E+03
57	7.712E+03	8.263E+03	8.845E+03
58	7.424E+03	7.963E+03	8.533E+03
59	7.148E+03	7.675E+03	8.233E+03
60	6.883E+03	7.398E+03	7.945E+03
61	6.629E+03	7.133E+03	7.669E+03
62	6.386E+03	6.879E+03	7.403E+03
63	6.153E+03	6.635E+03	7.148E+03
64	5.930E+03	6.401E+03	6.903E+03
65	5.716E+03	6.176E+03	6.668E+03
66	5.510E+03	5.960E+03	6.441E+03
67	5.313E+03	5.753E+03	6.224E+03
68	5.124E+03	5.554E+03	6.014E+03
69	4.942E+03	5.362E+03	5.813E+03
70	4.768E+03	5.178E+03	5.619E+03
71	4.601E+03	5.002E+03	5.433E+03
72	4.440E+03	4.832E+03	5.253E+03
73	4.286E+03	4.668E+03	5.081E+03
74	4.137E+03	4.511E+03	4.915E+03
75	3.995E+03	4.360E+03	4.755E+03
76	3.858E+03	4.215E+03	4.601E+03
77	3.726E+03	4.075E+03	4.452E+03
78	3.599E+03	3.940E+03	4.309E+03
79	3.478E+03	3.810E+03	4.171E+03
80	3.361E+03	3.686E+03	4.039E+03
81	3.248E+03	3.565E+03	3.911E+03
82	3.139E+03	3.450E+03	3.787E+03
83	3.035E+03	3.338E+03	3.668E+03
84	2.934E+03	3.231E+03	3.553E+03
85	2.838E+03	3.127E+03	3.443E+03
86	2.745E+03	3.027E+03	3.336E+03
87	2.655E+03	2.931E+03	3.233E+03
88	2.569E+03	2.838E+03	3.134E+03
89	2.486E+03	2.749E+03	3.038E+03
90	2.406E+03	2.663E+03	2.945E+03
91	2.329E+03	2.580E+03	2.856E+03
92	2.254E+03	2.500E+03	2.770E+03
93	2.183E+03	2.423E+03	2.686E+03
94	2.114E+03	2.348E+03	2.606E+03
95	2.047E+03	2.276E+03	2.528E+03
96	1.983E+03	2.207E+03	2.453E+03
97	1.921E+03	2.140E+03	2.381E+03
98	1.861E+03	2.075E+03	2.311E+03
99	1.804E+03	2.012E+03	2.243E+03
100	1.748E+03	1.952E+03	2.178E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	1.748E+03	1.952E+03	2.178E+03
101	1.695E+03	1.894E+03	2.115E+03
102	1.643E+03	1.838E+03	2.054E+03
103	1.593E+03	1.783E+03	1.995E+03
104	1.545E+03	1.731E+03	1.938E+03
105	1.498E+03	1.680E+03	1.882E+03
106	1.453E+03	1.631E+03	1.829E+03
107	1.410E+03	1.584E+03	1.777E+03
108	1.368E+03	1.538E+03	1.727E+03
109	1.328E+03	1.494E+03	1.679E+03
110	1.288E+03	1.451E+03	1.632E+03