NTC THERMISTOR R-T CHARACTERISTICS

TYPE	CH25-3G102F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	1000 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	3450 K	B+TOLERANCE(K)	34.5	B-TOLERANCE(K)	34.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	2.036E+04	2.124E+04	2.215E+04
-39	1.924E+04	2.006E+04	2.091E+04
-38	1.818E+04	1.895E+04	1.974E+04
-37	1.720E+04	1.790E+04	1.864E+04
-36	1.627E+04	1.693E+04	1.761E+04
-35	1.539E+04	1.601E+04	1.665E+04
-34	1.457E+04	1.515E+04	1.574E+04
-33	1.380E+04	1.434E+04	1.489E+04
-32	1.307E+04	1.357E+04	1.409E+04
-31	1.239E+04	1.286E+04	1.334E+04
-30	1.175E+04	1.218E+04	1.263E+04
-29	1.114E+04	1.154E+04	1.196E+04
-28	1.057E+04	1.095E+04	1.133E+04
-27	1.003E+04	1.038E+04	1.074E+04
-26	9.521E+03	9.850E+03	1.019E+04
-25	9.042E+03	9.349E+03	9.665E+03
-24	8.590E+03	8.876E+03	9.171E+03
-23	8.163E+03	8.431E+03	8.706E+03
-22	7.760E+03	8.010E+03	8.267E+03
-21	7.380E+03	7.613E+03	7.854E+03
-20	7.020E+03	7.239E+03	7.463E+03
-19	6.681E+03	6.885E+03	7.095E+03
-18	6.360E+03	6.551E+03	6.747E+03
-17	6.057E+03	6.235E+03	6.418E+03
-16	5.769E+03	5.936E+03	6.107E+03
-15	5.497E+03	5.653E+03	5.813E+03
-14	5.239E+03	5.385E+03	5.534E+03
-13	4.995E+03	5.131E+03	5.271E+03
-12	4.763E+03	4.891E+03	5.021E+03
-11	4.543E+03	4.663E+03	4.785E+03
-10	4.335E+03	4.447E+03	4.561E+03
-9	4.137E+03	4.242E+03	4.349E+03
-8	3.950E+03	4.048E+03	4.147E+03
-7	3.772E+03	3.863E+03	3.957E+03
-6	3.603E+03	3.688E+03	3.776E+03
-5	3.442E+03	3.522E+03	3.604E+03
-4	3.290E+03	3.365E+03	3.441E+03
-3	3.145E+03	3.215E+03	3.287E+03
-2	3.008E+03	3.073E+03	3.140E+03
-1	2.877E+03	2.939E+03	3.001E+03
0	2.753E+03	2.810E+03	2.869E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.753E+03	2.810E+03	2.869E+03
1	2.635E+03	2.688E+03	2.743E+03
2	2.522E+03	2.572E+03	2.623E+03
3	2.415E+03	2.462E+03	2.510E+03
4	2.313E+03	2.357E+03	2.402E+03
5	2.216E+03	2.257E+03	2.299E+03
6	2.124E+03	2.162E+03	2.201E+03
7	2.036E+03	2.072E+03	2.108E+03
8	1.952E+03	1.986E+03	2.020E+03
9	1.872E+03	1.903E+03	1.935E+03
10	1.796E+03	1.825E+03	1.855E+03
11	1.723E+03	1.750E+03	1.778E+03
12	1.654E+03	1.679E+03	1.705E+03
13	1.587E+03	1.611E+03	1.635E+03
14	1.524E+03	1.547E+03	1.569E+03
15	1.464E+03	1.485E+03	1.506E+03
16	1.406E+03	1.426E+03	1.445E+03
17	1.351E+03	1.369E+03	1.387E+03
18	1.299E+03	1.316E+03	1.332E+03
19	1.248E+03	1.264E+03	1.280E+03
20	1.200E+03	1.215E+03	1.230E+03
21	1.155E+03	1.168E+03	1.182E+03
22	1.111E+03	1.123E+03	1.136E+03
23	1.069E+03	1.080E+03	1.092E+03
24	1.028E+03	1.039E+03	1.050E+03
25	9.900E+02	1.000E+03	1.010E+03
26	9.525E+02	9.624E+02	9.724E+02
27	9.165E+02	9.265E+02	9.365E+02
28	8.822E+02	8.921E+02	9.021E+02
29	8.493E+02	8.592E+02	8.691E+02
30	8.178E+02	8.276E+02	8.375E+02
31	7.876E+02	7.974E+02	8.072E+02
32	7.588E+02	7.685E+02	7.782E+02
33	7.311E+02	7.407E+02	7.504E+02
34	7.046E+02	7.141E+02	7.237E+02
35	6.792E+02	6.886E+02	6.981E+02
36	6.548E+02	6.642E+02	6.736E+02
37	6.315E+02	6.407E+02	6.500E+02
38	6.091E+02	6.182E+02	6.274E+02
39	5.876E+02	5.966E+02	6.057E+02
40	5.670E+02	5.759E+02	5.849E+02
41	5.472E+02	5.560E+02	5.648E+02
42	5.282E+02	5.368E+02	5.456E+02
43	5.099E+02	5.185E+02	5.271E+02
44	4.924E+02	5.008E+02	5.093E+02
45	4.756E+02	4.839E+02	4.923E+02
46	4.594E+02	4.676E+02	4.759E+02
47	4.439E+02	4.519E+02	4.601E+02
48	4.290E+02	4.369E+02	4.449E+02
49	4.146E+02	4.224E+02	4.303E+02
50	4.008E+02	4.085E+02	4.163E+02

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B(T1℃/T2℃)	3450 K	B+TOLERANCE(K)	34.5	B-TOLERANCE(K)	34.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	4.008E+02	4.085E+02	4.163E+02
51	3.876E+02	3.952E+02	4.028E+02
52	3.749E+02	3.823E+02	3.899E+02
53	3.626E+02	3.700E+02	3.774E+02
54	3.509E+02	3.581E+02	3.654E+02
55	3.395E+02	3.466E+02	3.538E+02
56	3.286E+02	3.356E+02	3.426E+02
57	3.181E+02	3.249E+02	3.319E+02
58	3.080E+02	3.147E+02	3.215E+02
59	2.983E+02	3.049E+02	3.116E+02
60	2.889E+02	2.954E+02	3.020E+02
61	2.799E+02	2.862E+02	2.927E+02
62	2.712E+02	2.774E+02	2.838E+02
63	2.628E+02	2.689E+02	2.752E+02
64	2.547E+02	2.607E+02	2.669E+02
65	2.469E+02	2.528E+02	2.589E+02
66	2.394E+02	2.452E+02	2.511E+02
67	2.321E+02	2.378E+02	2.437E+02
68	2.251E+02	2.307E+02	2.365E+02
69	2.184E+02	2.239E+02	2.295E+02
70	2.118E+02	2.173E+02	2.228E+02
71	2.055E+02	2.109E+02	2.163E+02
72	1.995E+02	2.047E+02	2.100E+02
73	1.936E+02	1.987E+02	2.039E+02
74	1.879E+02	1.929E+02	1.981E+02
75	1.824E+02	1.874E+02	1.924E+02
76	1.772E+02	1.820E+02	1.869E+02
77	1.720E+02	1.768E+02	1.817E+02
78	1.671E+02	1.718E+02	1.765E+02
79	1.623E+02	1.669E+02	1.716E+02
80	1.577E+02	1.622E+02	1.668E+02
81	1.533E+02	1.577E+02	1.622E+02
82	1.490E+02	1.533E+02	1.577E+02
83	1.448E+02	1.490E+02	1.534E+02
84	1.408E+02	1.449E+02	1.492E+02
85	1.369E+02	1.410E+02	1.452E+02
86	1.331E+02	1.371E+02	1.412E+02
87	1.295E+02	1.334E+02	1.374E+02
88	1.259E+02	1.298E+02	1.338E+02
89	1.225E+02	1.263E+02	1.302E+02
90	1.192E+02	1.229E+02	1.267E+02
91	1.160E+02	1.196E+02	1.234E+02
92	1.128E+02	1.164E+02	1.201E+02
93	1.098E+02	1.134E+02	1.170E+02
94	1.069E+02	1.104E+02	1.139E+02
95	1.041E+02	1.075E+02	1.110E+02
96	1.013E+02	1.047E+02	1.081E+02
97	9.868E+01	1.019E+02	1.053E+02
98	9.611E+01	9.931E+01	1.026E+02
99	9.361E+01	9.676E+01	1.000E+02
100	9.119E+01	9.428E+01	9.746E+01

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	9.119E+01	9.428E+01	9.746E+01
101	8.885E+01	9.189E+01	9.501E+01
102	8.658E+01	8.956E+01	9.263E+01
103	8.438E+01	8.730E+01	9.032E+01
104	8.225E+01	8.511E+01	8.807E+01
105	8.017E+01	8.299E+01	8.590E+01
106	7.816E+01	8.092E+01	8.378E+01
107	7.620E+01	7.892E+01	8.172E+01
108	7.431E+01	7.697E+01	7.973E+01
109	7.247E+01	7.508E+01	7.779E+01
110	7.068E+01	7.325E+01	7.590E+01