NTC THERMISTOR R-T CHARACTERISTICS

TYPE	CH25-3U503F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	50000 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	3950 K	B+TOLERANCE(K)	39.5	B-TOLERANCE(K)	39.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.471E+06	1.542E+06	1.616E+06
-39	1.382E+06	1.448E+06	1.516E+06
-38	1.299E+06	1.360E+06	1.423E+06
-37	1.221E+06	1.277E+06	1.336E+06
-36	1.149E+06	1.200E+06	1.254E+06
-35	1.081E+06	1.129E+06	1.179E+06
-34	1.017E+06	1.062E+06	1.108E+06
-33	9.577E+05	9.988E+05	1.042E+06
-32	9.020E+05	9.401E+05	9.797E+05
-31	8.499E+05	8.852E+05	9.218E+05
-30	8.010E+05	8.338E+05	8.677E+05
-29	7.553E+05	7.856E+05	8.171E+05
-28	7.124E+05	7.405E+05	7.696E+05
-27	6.722E+05	6.982E+05	7.252E+05
-26	6.344E+05	6.586E+05	6.836E+05
-25	5.990E+05	6.214E+05	6.446E+05
-24	5.658E+05	5.866E+05	6.081E+05
-23	5.345E+05	5.538E+05	5.738E+05
-22	5.052E+05	5.231E+05	5.416E+05
-21	4.776E+05	4.942E+05	5.114E+05
-20	4.517E+05	4.671E+05	4.831E+05
-19	4.273E+05	4.417E+05	4.564E+05
-18	4.044E+05	4.177E+05	4.314E+05
-17	3.828E+05	3.952E+05	4.079E+05
-16	3.625E+05	3.740E+05	3.858E+05
-15	3.434E+05	3.541E+05	3.650E+05
-14	3.254E+05	3.353E+05	3.455E+05
-13	3.084E+05	3.176E+05	3.270E+05
-12	2.924E+05	3.009E+05	3.097E+05
-11	2.773E+05	2.852E+05	2.934E+05
-10	2.631E+05	2.704E+05	2.780E+05
-9	2.496E+05	2.565E+05	2.635E+05
-8	2.369E+05	2.433E+05	2.498E+05
-7	2.249E+05	2.309E+05	2.369E+05
-6	2.136E+05	2.191E+05	2.248E+05
-5	2.030E+05	2.081E+05	2.133E+05
-4	1.929E+05	1.976E+05	2.025E+05
-3	1.834E+05	1.878E+05	1.923E+05
-2	1.744E+05	1.785E+05	1.826E+05
-1	1.658E+05	1.697E+05	1.735E+05
0	1.578E+05	1.613E+05	1.649E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.578E+05	1.613E+05	1.649E+05
1	1.502E+05	1.535E+05	1.568E+05
2	1.430E+05	1.460E+05	1.491E+05
3	1.361E+05	1.390E+05	1.419E+05
4	1.297E+05	1.323E+05	1.350E+05
5	1.236E+05	1.260E+05	1.285E+05
6	1.178E+05	1.200E+05	1.223E+05
7	1.122E+05	1.144E+05	1.165E+05
8	1.070E+05	1.090E+05	1.110E+05
9	1.021E+05	1.039E+05	1.057E+05
10	9.738E+04	9.906E+04	1.008E+05
11	9.293E+04	9.448E+04	9.605E+04
12	8.870E+04	9.014E+04	9.159E+04
13	8.468E+04	8.602E+04	8.736E+04
14	8.087E+04	8.210E+04	8.335E+04
15	7.725E+04	7.839E+04	7.954E+04
16	7.380E+04	7.486E+04	7.592E+04
17	7.053E+04	7.151E+04	7.249E+04
18	6.742E+04	6.832E+04	6.922E+04
19	6.446E+04	6.529E+04	6.613E+04
20	6.165E+04	6.242E+04	6.318E+04
21	5.898E+04	5.968E+04	6.038E+04
22	5.643E+04	5.708E+04	5.772E+04
23	5.401E+04	5.460E+04	5.519E+04
24	5.170E+04	5.224E+04	5.279E+04
25	4.950E+04	5.000E+04	5.050E+04
26	4.736E+04	4.786E+04	4.836E+04
27	4.533E+04	4.583E+04	4.633E+04
28	4.340E+04	4.389E+04	4.439E+04
29	4.156E+04	4.205E+04	4.254E+04
30	3.980E+04	4.029E+04	4.078E+04
31	3.813E+04	3.861E+04	3.910E+04
32	3.654E+04	3.702E+04	3.750E+04
33	3.502E+04	3.549E+04	3.597E+04
34	3.357E+04	3.404E+04	3.451E+04
35	3.219E+04	3.265E+04	3.312E+04
36	3.087E+04	3.133E+04	3.179E+04
37	2.961E+04	3.007E+04	3.052E+04
38	2.842E+04	2.886E+04	2.931E+04
39	2.727E+04	2.771E+04	2.815E+04
40	2.618E+04	2.661E+04	2.705E+04
41	2.513E+04	2.556E+04	2.599E+04
42	2.413E+04	2.455E+04	2.498E+04
43	2.318E+04	2.359E+04	2.401E+04
44	2.227E+04	2.267E+04	2.308E+04
45	2.140E+04	2.180E+04	2.220E+04
46	2.057E+04	2.095E+04	2.135E+04
47	1.977E+04	2.015E+04	2.054E+04
48	1.901E+04	1.938E+04	1.976E+04
49	1.828E+04	1.865E+04	1.902E+04
50	1.758E+04	1.794E+04	1.831E+04

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B(T1℃/T2℃)	3950 K	B+TOLERANCE(K)	39.5	B-TOLERANCE(K)	39.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	1.758E+04	1.794E+04	1.831E+04
51	1.691E+04	1.727E+04	1.762E+04
52	1.627E+04	1.662E+04	1.697E+04
53	1.566E+04	1.600E+04	1.635E+04
54	1.507E+04	1.541E+04	1.574E+04
55	1.451E+04	1.484E+04	1.517E+04
56	1.398E+04	1.429E+04	1.462E+04
57	1.346E+04	1.377E+04	1.409E+04
58	1.297E+04	1.327E+04	1.358E+04
59	1.249E+04	1.279E+04	1.310E+04
60	1.204E+04	1.233E+04	1.263E+04
61	1.160E+04	1.189E+04	1.218E+04
62	1.119E+04	1.147E+04	1.175E+04
63	1.079E+04	1.106E+04	1.134E+04
64	1.040E+04	1.067E+04	1.094E+04
65	1.003E+04	1.029E+04	1.056E+04
66	9.678E+03	9.934E+03	1.020E+04
67	9.338E+03	9.588E+03	9.844E+03
68	9.012E+03	9.256E+03	9.506E+03
69	8.698E+03	8.937E+03	9.182E+03
70	8.397E+03	8.631E+03	8.870E+03
71	8.108E+03	8.336E+03	8.570E+03
72	7.830E+03	8.053E+03	8.282E+03
73	7.563E+03	7.781E+03	8.004E+03
74	7.306E+03	7.519E+03	7.737E+03
75	7.059E+03	7.267E+03	7.481E+03
76	6.821E+03	7.025E+03	7.233E+03
77	6.592E+03	6.791E+03	6.996E+03
78	6.373E+03	6.567E+03	6.767E+03
79	6.161E+03	6.351E+03	6.546E+03
80	5.957E+03	6.143E+03	6.334E+03
81	5.761E+03	5.942E+03	6.129E+03
82	5.572E+03	5.749E+03	5.932E+03
83	5.390E+03	5.563E+03	5.742E+03
84	5.215E+03	5.384E+03	5.558E+03
85	5.046E+03	5.212E+03	5.382E+03
86	4.884E+03	5.045E+03	5.212E+03
87	4.727E+03	4.885E+03	5.048E+03
88	4.576E+03	4.731E+03	4.890E+03
89	4.431E+03	4.582E+03	4.737E+03
90	4.291E+03	4.438E+03	4.590E+03
91	4.156E+03	4.300E+03	4.448E+03
92	4.026E+03	4.166E+03	4.312E+03
93	3.900E+03	4.038E+03	4.180E+03
94	3.779E+03	3.913E+03	4.052E+03
95	3.662E+03	3.793E+03	3.929E+03
96	3.549E+03	3.678E+03	3.810E+03
97	3.441E+03	3.566E+03	3.696E+03
98	3.336E+03	3.458E+03	3.585E+03
99	3.234E+03	3.354E+03	3.478E+03
100	3.136E+03	3.254E+03	3.375E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	3.136E+03	3.254E+03	3.375E+03
101	3.042E+03	3.157E+03	3.275E+03
102	2.951E+03	3.063E+03	3.179E+03
103	2.863E+03	2.972E+03	3.086E+03
104	2.778E+03	2.885E+03	2.996E+03
105	2.696E+03	2.800E+03	2.909E+03
106	2.616E+03	2.719E+03	2.825E+03
107	2.540E+03	2.640E+03	2.743E+03
108	2.465E+03	2.563E+03	2.665E+03
109	2.394E+03	2.489E+03	2.589E+03
110	2.324E+03	2.418E+03	2.515E+03