NTC THERMISTOR R-T CHARACTERISTICS

TYPE	CH25-3G501F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	500 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	1.018E+04	1.062E+04	1.108E+04
-39	9.618E+03	1.003E+04	1.045E+04
-38	9.092E+03	9.473E+03	9.869E+03
-37	8.598E+03	8.952E+03	9.321E+03
-36	8.133E+03	8.463E+03	8.806E+03
-35	7.697E+03	8.004E+03	8.324E+03
-34	7.286E+03	7.573E+03	7.870E+03
-33	6.900E+03	7.168E+03	7.444E+03
-32	6.537E+03	6.786E+03	7.044E+03
-31	6.195E+03	6.428E+03	6.668E+03
-30	5.873E+03	6.090E+03	6.314E+03
-29	5.570E+03	5.772E+03	5.981E+03
-28	5.284E+03	5.473E+03	5.667E+03
-27	5.015E+03	5.190E+03	5.372E+03
-26	4.760E+03	4.925E+03	5.094E+03
-25	4.521E+03	4.674E+03	4.832E+03
-24	4.295E+03	4.438E+03	4.586E+03
-23	4.082E+03	4.215E+03	4.353E+03
-22	3.880E+03	4.005E+03	4.134E+03
-21	3.690E+03	3.807E+03	3.927E+03
-20	3.510E+03	3.619E+03	3.731E+03
-19	3.341E+03	3.443E+03	3.547E+03
-18	3.180E+03	3.276E+03	3.373E+03
-17	3.028E+03	3.117E+03	3.209E+03
-16	2.885E+03	2.968E+03	3.053E+03
-15	2.748E+03	2.826E+03	2.906E+03
-14	2.619E+03	2.692E+03	2.767E+03
-13	2.497E+03	2.566E+03	2.635E+03
-12	2.381E+03	2.445E+03	2.511E+03
-11	2.272E+03	2.331E+03	2.392E+03
-10	2.168E+03	2.223E+03	2.280E+03
-9	2.069E+03	2.121E+03	2.174E+03
-8	1.975E+03	2.024E+03	2.074E+03
-7	1.886E+03	1.932E+03	1.978E+03
-6	1.801E+03	1.844E+03	1.888E+03
-5	1.721E+03	1.761E+03	1.802E+03
-4	1.645E+03	1.682E+03	1.721E+03
-3	1.573E+03	1.608E+03	1.643E+03
-2	1.504E+03	1.537E+03	1.570E+03
-1	1.439E+03	1.469E+03	1.500E+03
0	1.376E+03	1.405E+03	1.434E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.376E+03	1.405E+03	1.434E+03
1	1.317E+03	1.344E+03	1.371E+03
2	1.261E+03	1.286E+03	1.312E+03
3	1.208E+03	1.231E+03	1.255E+03
4	1.157E+03	1.179E+03	1.201E+03
5	1.108E+03	1.129E+03	1.150E+03
6	1.062E+03	1.081E+03	1.101E+03
7	1.018E+03	1.036E+03	1.054E+03
8	9.760E+02	9.928E+02	1.010E+03
9	9.360E+02	9.517E+02	9.675E+02
10	8.979E+02	9.125E+02	9.273E+02
11	8.615E+02	8.752E+02	8.890E+02
12	8.268E+02	8.396E+02	8.525E+02
13	7.937E+02	8.057E+02	8.177E+02
14	7.621E+02	7.733E+02	7.845E+02
15	7.320E+02	7.423E+02	7.528E+02
16	7.032E+02	7.128E+02	7.226E+02
17	6.757E+02	6.847E+02	6.937E+02
18	6.494E+02	6.578E+02	6.662E+02
19	6.242E+02	6.320E+02	6.399E+02
20	6.002E+02	6.075E+02	6.148E+02
21	5.773E+02	5.840E+02	5.908E+02
22	5.553E+02	5.616E+02	5.679E+02
23	5.343E+02	5.401E+02	5.460E+02
24	5.142E+02	5.196E+02	5.250E+02
25	4.950E+02	5.000E+02	5.050E+02
26	4.762E+02	4.812E+02	4.862E+02
27	4.583E+02	4.633E+02	4.682E+02
28	4.411E+02	4.461E+02	4.510E+02
29	4.246E+02	4.296E+02	4.345E+02
30	4.089E+02	4.138E+02	4.188E+02
31	3.938E+02	3.987E+02	4.036E+02
32	3.794E+02	3.842E+02	3.891E+02
33	3.655E+02	3.704E+02	3.752E+02
34	3.523E+02	3.571E+02	3.619E+02
35	3.396E+02	3.443E+02	3.491E+02
36	3.274E+02	3.321E+02	3.368E+02
37	3.157E+02	3.204E+02	3.250E+02
38	3.045E+02	3.091E+02	3.137E+02
39	2.938E+02	2.983E+02	3.029E+02
40	2.835E+02	2.879E+02	2.924E+02
41	2.736E+02	2.780E+02	2.824E+02
42	2.641E+02	2.684E+02	2.728E+02
43	2.550E+02	2.592E+02	2.636E+02
44	2.462E+02	2.504E+02	2.547E+02
45	2.378E+02	2.419E+02	2.461E+02
46	2.297E+02	2.338E+02	2.379E+02
47	2.219E+02	2.260E+02	2.300E+02
48	2.145E+02	2.184E+02	2.225E+02
49	2.073E+02	2.112E+02	2.152E+02
50	2.004E+02	2.043E+02	2.082E+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	2.004E+02	2.043E+02	2.082E+02
51	1.938E+02	1.976E+02	2.014E+02
52	1.874E+02	1.912E+02	1.949E+02
53	1.813E+02	1.850E+02	1.887E+02
54	1.754E+02	1.790E+02	1.827E+02
55	1.698E+02	1.733E+02	1.769E+02
56	1.643E+02	1.678E+02	1.713E+02
57	1.591E+02	1.625E+02	1.659E+02
58	1.540E+02	1.574E+02	1.608E+02
59	1.491E+02	1.524E+02	1.558E+02
60	1.444E+02	1.477E+02	1.510E+02
61	1.399E+02	1.431E+02	1.464E+02
62	1.356E+02	1.387E+02	1.419E+02
63	1.314E+02	1.345E+02	1.376E+02
64	1.273E+02	1.304E+02	1.334E+02
65	1.234E+02	1.264E+02	1.294E+02
66	1.197E+02	1.226E+02	1.256E+02
67	1.161E+02	1.189E+02	1.218E+02
68	1.126E+02	1.154E+02	1.182E+02
69	1.092E+02	1.119E+02	1.148E+02
70	1.059E+02	1.086E+02	1.114E+02
71	1.028E+02	1.054E+02	1.081E+02
72	9.973E+01	1.023E+02	1.050E+02
73	9.679E+01	9.935E+01	1.020E+02
74	9.396E+01	9.647E+01	9.904E+01
75	9.122E+01	9.369E+01	9.621E+01
76	8.858E+01	9.100E+01	9.347E+01
77	8.602E+01	8.840E+01	9.083E+01
78	8.355E+01	8.588E+01	8.827E+01
79	8.117E+01	8.345E+01	8.580E+01
80	7.886E+01	8.111E+01	8.341E+01
81	7.664E+01	7.884E+01	8.110E+01
82	7.448E+01	7.665E+01	7.886E+01
83	7.240E+01	7.452E+01	7.670E+01
84	7.039E+01	7.247E+01	7.461E+01
85	6.844E+01	7.048E+01	7.258E+01
86	6.655E+01	6.856E+01	7.062E+01
87	6.473E+01	6.670E+01	6.872E+01
88	6.296E+01	6.489E+01	6.688E+01
89	6.125E+01	6.314E+01	6.509E+01
90	5.959E+01	6.145E+01	6.336E+01
91	5.798E+01	5.981E+01	6.169E+01
92	5.642E+01	5.822E+01	6.006E+01
93	5.492E+01	5.668E+01	5.849E+01
94	5.345E+01	5.518E+01	5.696E+01
95	5.204E+01	5.373E+01	5.548E+01
96	5.067E+01	5.233E+01	5.405E+01
97	4.934E+01	5.097E+01	5.266E+01
98	4.805E+01	4.966E+01	5.131E+01
99	4.681E+01	4.838E+01	5.000E+01
100	4.560E+01	4.714E+01	4.873E+01

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	4.560E+01	4.714E+01	4.873E+01
101	4.443E+01	4.594E+01	4.751E+01
102	4.329E+01	4.478E+01	4.631E+01
103	4.219E+01	4.365E+01	4.516E+01
104	4.112E+01	4.256E+01	4.404E+01
105	4.009E+01	4.149E+01	4.295E+01
106	3.908E+01	4.046E+01	4.189E+01
107	3.810E+01	3.946E+01	4.086E+01
108	3.715E+01	3.849E+01	3.986E+01
109	3.623E+01	3.754E+01	3.889E+01
110	3.534E+01	3.662E+01	3.795E+01