

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH11-4I104F [T, B]

RESISTANCE (at25°C)	100000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	4392 K	B-TOLERANCE (±)	1 %

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	5.094E+06	5.361E+06	5.642E+06
-39	4.731E+06	4.975E+06	5.231E+06
-38	4.396E+06	4.619E+06	4.853E+06
-37	4.087E+06	4.291E+06	4.505E+06
-36	3.801E+06	3.988E+06	4.183E+06
-35	3.537E+06	3.708E+06	3.886E+06
-34	3.293E+06	3.449E+06	3.613E+06
-33	3.067E+06	3.210E+06	3.360E+06
-32	2.858E+06	2.989E+06	3.126E+06
-31	2.664E+06	2.785E+06	2.910E+06
-30	2.485E+06	2.595E+06	2.710E+06
-29	2.319E+06	2.420E+06	2.525E+06
-28	2.165E+06	2.258E+06	2.354E+06
-27	2.022E+06	2.107E+06	2.195E+06
-26	1.889E+06	1.967E+06	2.048E+06
-25	1.766E+06	1.838E+06	1.912E+06
-24	1.652E+06	1.717E+06	1.786E+06
-23	1.545E+06	1.606E+06	1.668E+06
-22	1.446E+06	1.502E+06	1.559E+06
-21	1.354E+06	1.405E+06	1.458E+06
-20	1.269E+06	1.315E+06	1.364E+06
-19	1.189E+06	1.232E+06	1.276E+06
-18	1.114E+06	1.154E+06	1.195E+06
-17	1.045E+06	1.082E+06	1.119E+06
-16	9.806E+05	1.014E+06	1.049E+06
-15	9.204E+05	9.512E+05	9.829E+05
-14	8.643E+05	8.926E+05	9.217E+05
-13	8.119E+05	8.379E+05	8.647E+05
-12	7.629E+05	7.869E+05	8.115E+05
-11	7.172E+05	7.393E+05	7.619E+05
-10	6.745E+05	6.948E+05	7.156E+05
-9	6.346E+05	6.532E+05	6.724E+05
-8	5.972E+05	6.144E+05	6.321E+05
-7	5.623E+05	5.781E+05	5.944E+05
-6	5.296E+05	5.442E+05	5.591E+05
-5	4.990E+05	5.125E+05	5.262E+05
-4	4.704E+05	4.828E+05	4.954E+05
-3	4.436E+05	4.549E+05	4.666E+05
-2	4.184E+05	4.289E+05	4.396E+05
-1	3.949E+05	4.045E+05	4.143E+05
0	3.727E+05	3.816E+05	3.907E+05

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.727E+05	3.816E+05	3.907E+05
1	3.520E+05	3.602E+05	3.685E+05
2	3.325E+05	3.401E+05	3.477E+05
3	3.143E+05	3.212E+05	3.282E+05
4	2.971E+05	3.035E+05	3.099E+05
5	2.810E+05	2.868E+05	2.928E+05
6	2.658E+05	2.712E+05	2.767E+05
7	2.516E+05	2.565E+05	2.616E+05
8	2.382E+05	2.427E+05	2.474E+05
9	2.256E+05	2.298E+05	2.340E+05
10	2.137E+05	2.176E+05	2.215E+05
11	2.025E+05	2.061E+05	2.097E+05
12	1.920E+05	1.953E+05	1.986E+05
13	1.821E+05	1.851E+05	1.881E+05
14	1.728E+05	1.755E+05	1.783E+05
15	1.640E+05	1.665E+05	1.690E+05
16	1.557E+05	1.580E+05	1.603E+05
17	1.478E+05	1.499E+05	1.521E+05
18	1.405E+05	1.424E+05	1.443E+05
19	1.335E+05	1.352E+05	1.370E+05
20	1.269E+05	1.285E+05	1.301E+05
21	1.207E+05	1.221E+05	1.236E+05
22	1.148E+05	1.161E+05	1.175E+05
23	1.092E+05	1.104E+05	1.117E+05
24	1.040E+05	1.051E+05	1.062E+05
25	9.900E+04	1.000E+05	1.010E+05
26	9.420E+04	9.520E+04	9.620E+04
27	8.967E+04	9.066E+04	9.166E+04
28	8.538E+04	8.637E+04	8.736E+04
29	8.132E+04	8.230E+04	8.328E+04
30	7.747E+04	7.845E+04	7.942E+04
31	7.384E+04	7.480E+04	7.577E+04
32	7.039E+04	7.134E+04	7.230E+04
33	6.713E+04	6.807E+04	6.901E+04
34	6.404E+04	6.496E+04	6.590E+04
35	6.110E+04	6.202E+04	6.294E+04
36	5.832E+04	5.922E+04	6.013E+04
37	5.569E+04	5.657E+04	5.746E+04
38	5.318E+04	5.405E+04	5.493E+04
39	5.081E+04	5.166E+04	5.252E+04
40	4.855E+04	4.939E+04	5.024E+04

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T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.855E+04	4.939E+04	5.024E+04
41	4.641E+04	4.723E+04	4.806E+04
42	4.438E+04	4.518E+04	4.600E+04
43	4.244E+04	4.323E+04	4.403E+04
44	4.061E+04	4.138E+04	4.216E+04
45	3.886E+04	3.962E+04	4.038E+04
46	3.720E+04	3.794E+04	3.869E+04
47	3.561E+04	3.634E+04	3.708E+04
48	3.411E+04	3.482E+04	3.554E+04
49	3.268E+04	3.337E+04	3.408E+04
50	3.131E+04	3.199E+04	3.268E+04
51	3.002E+04	3.068E+04	3.135E+04
52	2.878E+04	2.943E+04	3.009E+04
53	2.760E+04	2.823E+04	2.888E+04
54	2.647E+04	2.709E+04	2.772E+04
55	2.540E+04	2.601E+04	2.662E+04
56	2.438E+04	2.497E+04	2.557E+04
57	2.340E+04	2.398E+04	2.457E+04
58	2.247E+04	2.304E+04	2.361E+04
59	2.159E+04	2.213E+04	2.270E+04
60	2.074E+04	2.127E+04	2.182E+04
61	1.993E+04	2.045E+04	2.099E+04
62	1.915E+04	1.966E+04	2.019E+04
63	1.841E+04	1.891E+04	1.942E+04
64	1.771E+04	1.819E+04	1.869E+04
65	1.703E+04	1.751E+04	1.799E+04
66	1.639E+04	1.685E+04	1.732E+04
67	1.577E+04	1.622E+04	1.668E+04
68	1.518E+04	1.562E+04	1.607E+04
69	1.461E+04	1.504E+04	1.548E+04
70	1.407E+04	1.449E+04	1.492E+04
71	1.355E+04	1.396E+04	1.438E+04
72	1.306E+04	1.346E+04	1.387E+04
73	1.258E+04	1.297E+04	1.337E+04
74	1.213E+04	1.251E+04	1.290E+04
75	1.169E+04	1.206E+04	1.244E+04
76	1.127E+04	1.163E+04	1.200E+04
77	1.087E+04	1.122E+04	1.159E+04
78	1.049E+04	1.083E+04	1.118E+04
79	1.012E+04	1.045E+04	1.080E+04
80	9.763E+03	1.009E+04	1.043E+04

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	9.763E+03	1.009E+04	1.043E+04
81	9.424E+03	9.743E+03	1.007E+04
82	9.098E+03	9.410E+03	9.731E+03
83	8.785E+03	9.090E+03	9.403E+03
84	8.485E+03	8.782E+03	9.088E+03
85	8.197E+03	8.486E+03	8.785E+03
86	7.920E+03	8.202E+03	8.494E+03
87	7.654E+03	7.930E+03	8.215E+03
88	7.398E+03	7.667E+03	7.945E+03
89	7.152E+03	7.415E+03	7.687E+03
90	6.916E+03	7.172E+03	7.438E+03
91	6.689E+03	6.939E+03	7.198E+03
92	6.470E+03	6.714E+03	6.967E+03
93	6.260E+03	6.498E+03	6.745E+03
94	6.058E+03	6.291E+03	6.532E+03
95	5.863E+03	6.090E+03	6.326E+03
96	5.676E+03	5.898E+03	6.128E+03
97	5.495E+03	5.712E+03	5.937E+03
98	5.322E+03	5.533E+03	5.753E+03
99	5.154E+03	5.361E+03	5.576E+03
100	4.993E+03	5.195E+03	5.405E+03
101	4.838E+03	5.035E+03	5.240E+03
102	4.689E+03	4.881E+03	5.081E+03
103	4.544E+03	4.733E+03	4.928E+03
104	4.406E+03	4.589E+03	4.781E+03
105	4.272E+03	4.451E+03	4.638E+03
106	4.142E+03	4.318E+03	4.501E+03
107	4.018E+03	4.189E+03	4.368E+03
108	3.898E+03	4.065E+03	4.240E+03
109	3.782E+03	3.946E+03	4.116E+03
110	3.670E+03	3.830E+03	3.997E+03
111	3.562E+03	3.719E+03	3.882E+03
112	3.458E+03	3.611E+03	3.770E+03
113	3.357E+03	3.507E+03	3.663E+03
114	3.260E+03	3.406E+03	3.559E+03
115	3.166E+03	3.309E+03	3.458E+03
116	3.075E+03	3.215E+03	3.361E+03
117	2.988E+03	3.125E+03	3.267E+03
118	2.903E+03	3.037E+03	3.177E+03
119	2.821E+03	2.952E+03	3.089E+03
120	2.742E+03	2.870E+03	3.004E+03
121	2.666E+03	2.791E+03	2.922E+03
122	2.592E+03	2.715E+03	2.843E+03
123	2.521E+03	2.641E+03	2.766E+03
124	2.452E+03	2.569E+03	2.692E+03
125	2.385E+03	2.500E+03	2.620E+03