

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH11-3H103F [T, B]

RESISTANCE (at25°C)	10000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	3370 K	B-TOLERANCE (±)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.629E+005	1.698E+005	1.770E+005
-39	1.546E+005	1.611E+005	1.678E+005
-38	1.468E+005	1.528E+005	1.591E+005
-37	1.394E+005	1.450E+005	1.509E+005
-36	1.324E+005	1.377E+005	1.432E+005
-35	1.259E+005	1.308E+005	1.359E+005
-34	1.197E+005	1.243E+005	1.291E+005
-33	1.138E+005	1.181E+005	1.226E+005
-32	1.083E+005	1.123E+005	1.165E+005
-31	1.031E+005	1.069E+005	1.108E+005
-30	9.812E+004	1.017E+005	1.054E+005
-29	9.344E+004	9.678E+004	1.002E+005
-28	8.902E+004	9.214E+004	9.537E+004
-27	8.483E+004	8.776E+004	9.078E+004
-26	8.087E+004	8.362E+004	8.645E+004
-25	7.712E+004	7.970E+004	8.235E+004
-24	7.357E+004	7.599E+004	7.847E+004
-23	7.021E+004	7.247E+004	7.480E+004
-22	6.702E+004	6.914E+004	7.133E+004
-21	6.400E+004	6.599E+004	6.804E+004
-20	6.113E+004	6.300E+004	6.492E+004
-19	5.839E+004	6.014E+004	6.194E+004
-18	5.579E+004	5.744E+004	5.913E+004
-17	5.333E+004	5.488E+004	5.646E+004
-16	5.100E+004	5.245E+004	5.394E+004
-15	4.878E+004	5.015E+004	5.154E+004
-14	4.668E+004	4.796E+004	4.927E+004
-13	4.468E+004	4.589E+004	4.712E+004
-12	4.278E+004	4.391E+004	4.507E+004
-11	4.098E+004	4.204E+004	4.312E+004
-10	3.926E+004	4.026E+004	4.128E+004
-9	3.763E+004	3.856E+004	3.952E+004
-8	3.607E+004	3.695E+004	3.785E+004
-7	3.459E+004	3.541E+004	3.626E+004
-6	3.317E+004	3.395E+004	3.474E+004
-5	3.182E+004	3.255E+004	3.330E+004
-4	3.054E+004	3.122E+004	3.192E+004
-3	2.931E+004	2.996E+004	3.061E+004
-2	2.814E+004	2.875E+004	2.936E+004
-1	2.702E+004	2.759E+004	2.817E+004
0	2.595E+004	2.649E+004	2.703E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.595E+004	2.649E+004	2.703E+004
1	2.494E+004	2.544E+004	2.595E+004
2	2.397E+004	2.444E+004	2.492E+004
3	2.304E+004	2.348E+004	2.393E+004
4	2.215E+004	2.256E+004	2.298E+004
5	2.129E+004	2.168E+004	2.208E+004
6	2.047E+004	2.083E+004	2.120E+004
7	1.968E+004	2.002E+004	2.037E+004
8	1.892E+004	1.924E+004	1.957E+004
9	1.820E+004	1.850E+004	1.880E+004
10	1.750E+004	1.778E+004	1.807E+004
11	1.683E+004	1.710E+004	1.737E+004
12	1.619E+004	1.644E+004	1.669E+004
13	1.558E+004	1.581E+004	1.604E+004
14	1.499E+004	1.521E+004	1.542E+004
15	1.442E+004	1.463E+004	1.483E+004
16	1.388E+004	1.407E+004	1.426E+004
17	1.336E+004	1.354E+004	1.372E+004
18	1.286E+004	1.303E+004	1.320E+004
19	1.239E+004	1.254E+004	1.269E+004
20	1.193E+004	1.207E+004	1.222E+004
21	1.149E+004	1.162E+004	1.176E+004
22	1.107E+004	1.119E+004	1.131E+004
23	1.066E+004	1.078E+004	1.089E+004
24	1.027E+004	1.038E+004	1.049E+004
25	9.900E+003	1.000E+004	1.010E+004
26	9.535E+003	9.635E+003	9.735E+003
27	9.186E+003	9.286E+003	9.386E+003
28	8.851E+003	8.950E+003	9.050E+003
29	8.530E+003	8.629E+003	8.728E+003
30	8.221E+003	8.320E+003	8.419E+003
31	7.926E+003	8.024E+003	8.122E+003
32	7.643E+003	7.740E+003	7.837E+003
33	7.371E+003	7.467E+003	7.564E+003
34	7.110E+003	7.205E+003	7.302E+003
35	6.859E+003	6.954E+003	7.049E+003
36	6.619E+003	6.713E+003	6.807E+003
37	6.388E+003	6.481E+003	6.575E+003
38	6.167E+003	6.258E+003	6.351E+003
39	5.954E+003	6.044E+003	6.136E+003
40	5.749E+003	5.839E+003	5.929E+003

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	5.749E+003	5.839E+003	5.929E+003
41	5.553E+003	5.641E+003	5.731E+003
42	5.364E+003	5.451E+003	5.539E+003
43	5.183E+003	5.269E+003	5.356E+003
44	5.008E+003	5.093E+003	5.179E+003
45	4.840E+003	4.924E+003	5.009E+003
46	4.679E+003	4.762E+003	4.845E+003
47	4.524E+003	4.605E+003	4.688E+003
48	4.375E+003	4.455E+003	4.536E+003
49	4.231E+003	4.310E+003	4.390E+003
50	4.093E+003	4.171E+003	4.250E+003
51	3.961E+003	4.037E+003	4.115E+003
52	3.833E+003	3.908E+003	3.984E+003
53	3.710E+003	3.784E+003	3.859E+003
54	3.591E+003	3.664E+003	3.738E+003
55	3.477E+003	3.549E+003	3.621E+003
56	3.367E+003	3.438E+003	3.509E+003
57	3.261E+003	3.331E+003	3.401E+003
58	3.159E+003	3.227E+003	3.296E+003
59	3.061E+003	3.128E+003	3.196E+003
60	2.966E+003	3.032E+003	3.099E+003
61	2.874E+003	2.939E+003	3.005E+003
62	2.786E+003	2.850E+003	2.914E+003
63	2.701E+003	2.763E+003	2.827E+003
64	2.619E+003	2.680E+003	2.743E+003
65	2.540E+003	2.600E+003	2.661E+003
66	2.463E+003	2.522E+003	2.583E+003
67	2.390E+003	2.448E+003	2.507E+003
68	2.318E+003	2.375E+003	2.434E+003
69	2.250E+003	2.306E+003	2.363E+003
70	2.184E+003	2.239E+003	2.295E+003
71	2.120E+003	2.174E+003	2.229E+003
72	2.058E+003	2.111E+003	2.165E+003
73	1.998E+003	2.050E+003	2.104E+003
74	1.941E+003	1.992E+003	2.044E+003
75	1.885E+003	1.935E+003	1.987E+003
76	1.831E+003	1.881E+003	1.931E+003
77	1.779E+003	1.828E+003	1.877E+003
78	1.729E+003	1.776E+003	1.825E+003
79	1.680E+003	1.727E+003	1.775E+003
80	1.633E+003	1.679E+003	1.726E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.633E+003	1.679E+003	1.726E+003
81	1.588E+003	1.633E+003	1.679E+003
82	1.544E+003	1.588E+003	1.633E+003
83	1.501E+003	1.544E+003	1.589E+003
84	1.460E+003	1.502E+003	1.546E+003
85	1.420E+003	1.461E+003	1.504E+003
86	1.381E+003	1.422E+003	1.464E+003
87	1.344E+003	1.384E+003	1.425E+003
88	1.307E+003	1.347E+003	1.387E+003
89	1.272E+003	1.311E+003	1.351E+003
90	1.238E+003	1.276E+003	1.316E+003
91	1.205E+003	1.243E+003	1.281E+003
92	1.174E+003	1.210E+003	1.248E+003
93	1.143E+003	1.179E+003	1.216E+003
94	1.113E+003	1.148E+003	1.184E+003
95	1.084E+003	1.118E+003	1.154E+003
96	1.056E+003	1.090E+003	1.125E+003
97	1.028E+003	1.062E+003	1.096E+003
98	1.002E+003	1.035E+003	1.069E+003
99	9.762E+002	1.008E+003	1.042E+003
100	9.514E+002	9.831E+002	1.016E+003
101	9.272E+002	9.583E+002	9.904E+002
102	9.038E+002	9.344E+002	9.659E+002
103	8.811E+002	9.111E+002	9.421E+002
104	8.591E+002	8.886E+002	9.189E+002
105	8.377E+002	8.667E+002	8.965E+002
106	8.170E+002	8.454E+002	8.747E+002
107	7.969E+002	8.248E+002	8.536E+002
108	7.774E+002	8.048E+002	8.331E+002
109	7.584E+002	7.853E+002	8.132E+002
110	7.400E+002	7.665E+002	7.938E+002
111	7.222E+002	7.482E+002	7.750E+002
112	7.048E+002	7.304E+002	7.567E+002
113	6.880E+002	7.131E+002	7.390E+002
114	6.716E+002	6.963E+002	7.218E+002
115	6.558E+002	6.800E+002	7.050E+002
116	6.403E+002	6.641E+002	6.887E+002
117	6.253E+002	6.487E+002	6.729E+002
118	6.108E+002	6.338E+002	6.575E+002
119	5.966E+002	6.192E+002	6.426E+002
120	5.829E+002	6.051E+002	6.280E+002
121	5.695E+002	5.913E+002	6.139E+002
122	5.565E+002	5.780E+002	6.002E+002
123	5.439E+002	5.650E+002	5.868E+002
124	5.316E+002	5.523E+002	5.738E+002
125	5.197E+002	5.400E+002	5.611E+002