

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH20-3W303F [T, B]

RESISTANCE (at25°C)	30000 Ω	R-TOLERANCE (\pm)	1 %
B-VALUE (25/50°C)	3950 K	B-TOLERANCE (\pm)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	8.040E+005	8.427E+005	8.831E+005
-39	7.566E+005	7.924E+005	8.299E+005
-38	7.124E+005	7.456E+005	7.802E+005
-37	6.711E+005	7.018E+005	7.339E+005
-36	6.325E+005	6.610E+005	6.908E+005
-35	5.964E+005	6.228E+005	6.504E+005
-34	5.626E+005	5.872E+005	6.127E+005
-33	5.310E+005	5.538E+005	5.775E+005
-32	5.013E+005	5.225E+005	5.445E+005
-31	4.736E+005	4.932E+005	5.137E+005
-30	4.475E+005	4.658E+005	4.848E+005
-29	4.230E+005	4.399E+005	4.576E+005
-28	3.999E+005	4.157E+005	4.321E+005
-27	3.783E+005	3.930E+005	4.082E+005
-26	3.581E+005	3.717E+005	3.858E+005
-25	3.391E+005	3.517E+005	3.649E+005
-24	3.212E+005	3.330E+005	3.452E+005
-23	3.044E+005	3.154E+005	3.267E+005
-22	2.885E+005	2.988E+005	3.093E+005
-21	2.737E+005	2.832E+005	2.930E+005
-20	2.596E+005	2.685E+005	2.777E+005
-19	2.468E+005	2.550E+005	2.636E+005
-18	2.345E+005	2.422E+005	2.502E+005
-17	2.229E+005	2.301E+005	2.375E+005
-16	2.118E+005	2.185E+005	2.254E+005
-15	2.013E+005	2.075E+005	2.140E+005
-14	1.913E+005	1.971E+005	2.031E+005
-13	1.818E+005	1.872E+005	1.928E+005
-12	1.728E+005	1.779E+005	1.831E+005
-11	1.643E+005	1.690E+005	1.738E+005
-10	1.562E+005	1.605E+005	1.650E+005
-9	1.484E+005	1.525E+005	1.567E+005
-8	1.411E+005	1.449E+005	1.488E+005
-7	1.341E+005	1.377E+005	1.413E+005
-6	1.275E+005	1.308E+005	1.342E+005
-5	1.213E+005	1.244E+005	1.275E+005
-4	1.154E+005	1.182E+005	1.211E+005
-3	1.098E+005	1.124E+005	1.151E+005
-2	1.045E+005	1.069E+005	1.094E+005
-1	9.942E+004	1.017E+005	1.040E+005
0	9.465E+004	9.677E+004	9.893E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	9.465E+004	9.677E+004	9.893E+004
1	9.010E+004	9.208E+004	9.408E+004
2	8.580E+004	8.763E+004	8.949E+004
3	8.172E+004	8.342E+004	8.515E+004
4	7.786E+004	7.944E+004	8.104E+004
5	7.419E+004	7.566E+004	7.715E+004
6	7.072E+004	7.208E+004	7.346E+004
7	6.742E+004	6.868E+004	6.996E+004
8	6.429E+004	6.546E+004	6.665E+004
9	6.132E+004	6.241E+004	6.351E+004
10	5.850E+004	5.951E+004	6.053E+004
11	5.583E+004	5.676E+004	5.770E+004
12	5.329E+004	5.415E+004	5.502E+004
13	5.087E+004	5.167E+004	5.248E+004
14	4.858E+004	4.932E+004	5.007E+004
15	4.640E+004	4.709E+004	4.778E+004
16	4.433E+004	4.496E+004	4.560E+004
17	4.236E+004	4.295E+004	4.354E+004
18	4.049E+004	4.103E+004	4.157E+004
19	3.871E+004	3.921E+004	3.971E+004
20	3.702E+004	3.748E+004	3.794E+004
21	3.541E+004	3.583E+004	3.625E+004
22	3.388E+004	3.426E+004	3.465E+004
23	3.242E+004	3.277E+004	3.313E+004
24	3.102E+004	3.135E+004	3.168E+004
25	2.970E+004	3.000E+004	3.030E+004
26	2.841E+004	2.871E+004	2.901E+004
27	2.719E+004	2.749E+004	2.779E+004
28	2.602E+004	2.632E+004	2.662E+004
29	2.491E+004	2.521E+004	2.550E+004
30	2.385E+004	2.415E+004	2.444E+004
31	2.285E+004	2.314E+004	2.343E+004
32	2.189E+004	2.218E+004	2.247E+004
33	2.098E+004	2.126E+004	2.155E+004
34	2.011E+004	2.039E+004	2.067E+004
35	1.928E+004	1.955E+004	1.984E+004
36	1.849E+004	1.876E+004	1.904E+004
37	1.773E+004	1.800E+004	1.828E+004
38	1.701E+004	1.728E+004	1.755E+004
39	1.633E+004	1.659E+004	1.686E+004
40	1.567E+004	1.593E+004	1.619E+004

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RESISTANCE (at25°C)	30000 Ω	R-TOLERANCE (\pm)	1 %
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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	1.567E+004	1.593E+004	1.619E+004
41	1.505E+004	1.531E+004	1.556E+004
42	1.445E+004	1.471E+004	1.496E+004
43	1.389E+004	1.413E+004	1.438E+004
44	1.334E+004	1.359E+004	1.383E+004
45	1.282E+004	1.306E+004	1.330E+004
46	1.233E+004	1.256E+004	1.280E+004
47	1.185E+004	1.208E+004	1.231E+004
48	1.140E+004	1.162E+004	1.185E+004
49	1.096E+004	1.118E+004	1.141E+004
50	1.055E+004	1.076E+004	1.098E+004
51	1.015E+004	1.036E+004	1.058E+004
52	9.767E+003	9.974E+003	1.019E+004
53	9.401E+003	9.604E+003	9.811E+003
54	9.050E+003	9.250E+003	9.453E+003
55	8.715E+003	8.910E+003	9.109E+003
56	8.394E+003	8.585E+003	8.780E+003
57	8.086E+003	8.273E+003	8.464E+003
58	7.791E+003	7.975E+003	8.162E+003
59	7.509E+003	7.688E+003	7.871E+003
60	7.238E+003	7.414E+003	7.593E+003
61	6.979E+003	7.151E+003	7.326E+003
62	6.730E+003	6.898E+003	7.070E+003
63	6.492E+003	6.656E+003	6.824E+003
64	6.263E+003	6.424E+003	6.588E+003
65	6.044E+003	6.201E+003	6.362E+003
66	5.833E+003	5.987E+003	6.144E+003
67	5.631E+003	5.782E+003	5.936E+003
68	5.437E+003	5.584E+003	5.735E+003
69	5.250E+003	5.395E+003	5.542E+003
70	5.072E+003	5.213E+003	5.357E+003
71	4.900E+003	5.038E+003	5.179E+003
72	4.735E+003	4.870E+003	5.009E+003
73	4.577E+003	4.709E+003	4.844E+003
74	4.425E+003	4.554E+003	4.686E+003
75	4.278E+003	4.404E+003	4.534E+003
76	4.137E+003	4.261E+003	4.388E+003
77	4.002E+003	4.123E+003	4.247E+003
78	3.871E+003	3.990E+003	4.111E+003
79	3.746E+003	3.861E+003	3.980E+003
80	3.625E+003	3.738E+003	3.854E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	3.625E+003	3.738E+003	3.854E+003
81	3.509E+003	3.619E+003	3.733E+003
82	3.397E+003	3.505E+003	3.616E+003
83	3.289E+003	3.395E+003	3.504E+003
84	3.185E+003	3.289E+003	3.395E+003
85	3.085E+003	3.186E+003	3.290E+003
86	2.989E+003	3.087E+003	3.189E+003
87	2.895E+003	2.992E+003	3.092E+003
88	2.806E+003	2.900E+003	2.998E+003
89	2.719E+003	2.812E+003	2.907E+003
90	2.636E+003	2.726E+003	2.819E+003
91	2.555E+003	2.643E+003	2.735E+003
92	2.477E+003	2.563E+003	2.653E+003
93	2.402E+003	2.486E+003	2.574E+003
94	2.329E+003	2.412E+003	2.497E+003
95	2.259E+003	2.340E+003	2.424E+003
96	2.191E+003	2.271E+003	2.353E+003
97	2.126E+003	2.204E+003	2.284E+003
98	2.063E+003	2.139E+003	2.218E+003
99	2.002E+003	2.077E+003	2.153E+003
100	1.944E+003	2.016E+003	2.092E+003
101	1.887E+003	1.958E+003	2.032E+003
102	1.832E+003	1.902E+003	1.974E+003
103	1.779E+003	1.847E+003	1.918E+003
104	1.728E+003	1.795E+003	1.864E+003
105	1.679E+003	1.744E+003	1.811E+003
106	1.631E+003	1.695E+003	1.761E+003
107	1.585E+003	1.647E+003	1.712E+003
108	1.540E+003	1.601E+003	1.664E+003
109	1.497E+003	1.557E+003	1.619E+003
110	1.455E+003	1.514E+003	1.574E+003
111	1.415E+003	1.472E+003	1.532E+003
112	1.376E+003	1.432E+003	1.490E+003
113	1.338E+003	1.393E+003	1.450E+003
114	1.301E+003	1.355E+003	1.411E+003
115	1.266E+003	1.319E+003	1.374E+003
116	1.232E+003	1.283E+003	1.337E+003
117	1.199E+003	1.249E+003	1.302E+003
118	1.167E+003	1.216E+003	1.268E+003
119	1.136E+003	1.184E+003	1.234E+003
120	1.105E+003	1.153E+003	1.202E+003
121	1.076E+003	1.123E+003	1.171E+003
122	1.048E+003	1.094E+003	1.141E+003
123	1.021E+003	1.065E+003	1.112E+003
124	9.942E+002	1.038E+003	1.084E+003
125	9.685E+002	1.011E+003	1.056E+003