

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH20-3R803F [T, B]

RESISTANCE (at25°C)	80000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	3700 K	B-TOLERANCE (±)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	2.037E+006	2.131E+006	2.228E+006
-39	1.917E+006	2.003E+006	2.093E+006
-38	1.804E+006	1.884E+006	1.967E+006
-37	1.699E+006	1.773E+006	1.850E+006
-36	1.600E+006	1.669E+006	1.740E+006
-35	1.508E+006	1.572E+006	1.638E+006
-34	1.422E+006	1.481E+006	1.542E+006
-33	1.341E+006	1.396E+006	1.453E+006
-32	1.265E+006	1.316E+006	1.369E+006
-31	1.194E+006	1.242E+006	1.291E+006
-30	1.128E+006	1.172E+006	1.217E+006
-29	1.066E+006	1.106E+006	1.148E+006
-28	1.007E+006	1.045E+006	1.084E+006
-27	9.521E+005	9.873E+005	1.024E+006
-26	9.005E+005	9.332E+005	9.670E+005
-25	8.519E+005	8.823E+005	9.137E+005
-24	8.063E+005	8.345E+005	8.637E+005
-23	7.633E+005	7.896E+005	8.167E+005
-22	7.229E+005	7.473E+005	7.726E+005
-21	6.848E+005	7.076E+005	7.310E+005
-20	6.490E+005	6.702E+005	6.920E+005
-19	6.152E+005	6.349E+005	6.552E+005
-18	5.834E+005	6.017E+005	6.206E+005
-17	5.534E+005	5.705E+005	5.880E+005
-16	5.251E+005	5.410E+005	5.573E+005
-15	4.984E+005	5.132E+005	5.284E+005
-14	4.733E+005	4.871E+005	5.012E+005
-13	4.495E+005	4.624E+005	4.755E+005
-12	4.271E+005	4.391E+005	4.513E+005
-11	4.059E+005	4.171E+005	4.285E+005
-10	3.859E+005	3.963E+005	4.069E+005
-9	3.670E+005	3.767E+005	3.865E+005
-8	3.491E+005	3.581E+005	3.673E+005
-7	3.322E+005	3.406E+005	3.492E+005
-6	3.162E+005	3.240E+005	3.320E+005
-5	3.011E+005	3.084E+005	3.158E+005
-4	2.868E+005	2.936E+005	3.005E+005
-3	2.733E+005	2.796E+005	2.860E+005
-2	2.604E+005	2.663E+005	2.724E+005
-1	2.483E+005	2.538E+005	2.594E+005
0	2.368E+005	2.419E+005	2.471E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.368E+005	2.419E+005	2.471E+005
1	2.259E+005	2.307E+005	2.355E+005
2	2.156E+005	2.200E+005	2.246E+005
3	2.058E+005	2.099E+005	2.141E+005
4	1.965E+005	2.004E+005	2.043E+005
5	1.877E+005	1.913E+005	1.949E+005
6	1.793E+005	1.827E+005	1.860E+005
7	1.714E+005	1.745E+005	1.776E+005
8	1.638E+005	1.667E+005	1.696E+005
9	1.566E+005	1.593E+005	1.621E+005
10	1.498E+005	1.523E+005	1.549E+005
11	1.433E+005	1.457E+005	1.480E+005
12	1.372E+005	1.393E+005	1.415E+005
13	1.313E+005	1.333E+005	1.353E+005
14	1.257E+005	1.276E+005	1.295E+005
15	1.204E+005	1.221E+005	1.239E+005
16	1.153E+005	1.169E+005	1.186E+005
17	1.105E+005	1.120E+005	1.135E+005
18	1.059E+005	1.073E+005	1.087E+005
19	1.015E+005	1.028E+005	1.041E+005
20	9.735E+004	9.854E+004	9.974E+004
21	9.337E+004	9.447E+004	9.558E+004
22	8.957E+004	9.059E+004	9.161E+004
23	8.595E+004	8.689E+004	8.784E+004
24	8.250E+004	8.337E+004	8.423E+004
25	7.920E+004	8.000E+004	8.080E+004
26	7.599E+004	7.679E+004	7.759E+004
27	7.293E+004	7.372E+004	7.452E+004
28	7.000E+004	7.080E+004	7.159E+004
29	6.721E+004	6.800E+004	6.879E+004
30	6.454E+004	6.533E+004	6.612E+004
31	6.200E+004	6.278E+004	6.356E+004
32	5.956E+004	6.034E+004	6.111E+004
33	5.724E+004	5.801E+004	5.878E+004
34	5.502E+004	5.577E+004	5.654E+004
35	5.289E+004	5.364E+004	5.440E+004
36	5.086E+004	5.160E+004	5.235E+004
37	4.892E+004	4.965E+004	5.039E+004
38	4.706E+004	4.778E+004	4.851E+004
39	4.528E+004	4.599E+004	4.671E+004
40	4.358E+004	4.428E+004	4.499E+004

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T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.358E+004	4.428E+004	4.499E+004
41	4.194E+004	4.264E+004	4.334E+004
42	4.038E+004	4.107E+004	4.175E+004
43	3.889E+004	3.956E+004	4.024E+004
44	3.746E+004	3.812E+004	3.879E+004
45	3.608E+004	3.673E+004	3.739E+004
46	3.477E+004	3.541E+004	3.606E+004
47	3.351E+004	3.414E+004	3.477E+004
48	3.230E+004	3.292E+004	3.355E+004
49	3.114E+004	3.175E+004	3.237E+004
50	3.003E+004	3.063E+004	3.123E+004
51	2.897E+004	2.955E+004	3.015E+004
52	2.794E+004	2.852E+004	2.910E+004
53	2.696E+004	2.753E+004	2.810E+004
54	2.602E+004	2.658E+004	2.714E+004
55	2.512E+004	2.566E+004	2.621E+004
56	2.425E+004	2.478E+004	2.533E+004
57	2.342E+004	2.394E+004	2.447E+004
58	2.262E+004	2.313E+004	2.365E+004
59	2.185E+004	2.235E+004	2.287E+004
60	2.111E+004	2.161E+004	2.211E+004
61	2.041E+004	2.089E+004	2.138E+004
62	1.973E+004	2.020E+004	2.069E+004
63	1.907E+004	1.954E+004	2.001E+004
64	1.845E+004	1.890E+004	1.937E+004
65	1.784E+004	1.829E+004	1.874E+004
66	1.726E+004	1.770E+004	1.814E+004
67	1.670E+004	1.713E+004	1.757E+004
68	1.616E+004	1.658E+004	1.701E+004
69	1.564E+004	1.605E+004	1.647E+004
70	1.514E+004	1.554E+004	1.596E+004
71	1.466E+004	1.505E+004	1.546E+004
72	1.419E+004	1.458E+004	1.498E+004
73	1.374E+004	1.412E+004	1.451E+004
74	1.331E+004	1.368E+004	1.407E+004
75	1.290E+004	1.326E+004	1.363E+004
76	1.250E+004	1.285E+004	1.322E+004
77	1.211E+004	1.246E+004	1.282E+004
78	1.174E+004	1.208E+004	1.243E+004
79	1.138E+004	1.171E+004	1.206E+004
80	1.103E+004	1.136E+004	1.170E+004

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.103E+004	1.136E+004	1.170E+004
81	1.070E+004	1.102E+004	1.135E+004
82	1.037E+004	1.069E+004	1.101E+004
83	1.006E+004	1.037E+004	1.069E+004
84	9.760E+003	1.006E+004	1.037E+004
85	9.470E+003	9.766E+003	1.007E+004
86	9.189E+003	9.480E+003	9.778E+003
87	8.918E+003	9.203E+003	9.496E+003
88	8.656E+003	8.935E+003	9.222E+003
89	8.403E+003	8.677E+003	8.958E+003
90	8.159E+003	8.426E+003	8.702E+003
91	7.922E+003	8.184E+003	8.454E+003
92	7.693E+003	7.950E+003	8.215E+003
93	7.472E+003	7.724E+003	7.983E+003
94	7.259E+003	7.505E+003	7.759E+003
95	7.052E+003	7.293E+003	7.542E+003
96	6.852E+003	7.088E+003	7.332E+003
97	6.659E+003	6.890E+003	7.129E+003
98	6.472E+003	6.699E+003	6.933E+003
99	6.291E+003	6.514E+003	6.743E+003
100	6.116E+003	6.334E+003	6.559E+003
101	5.947E+003	6.161E+003	6.381E+003
102	5.783E+003	5.992E+003	6.209E+003
103	5.625E+003	5.830E+003	6.042E+003
104	5.471E+003	5.672E+003	5.880E+003
105	5.323E+003	5.520E+003	5.723E+003
106	5.179E+003	5.372E+003	5.571E+003
107	5.040E+003	5.229E+003	5.424E+003
108	4.905E+003	5.090E+003	5.282E+003
109	4.774E+003	4.956E+003	5.144E+003
110	4.647E+003	4.825E+003	5.010E+003
111	4.525E+003	4.699E+003	4.880E+003
112	4.406E+003	4.577E+003	4.754E+003
113	4.291E+003	4.459E+003	4.632E+003
114	4.179E+003	4.344E+003	4.514E+003
115	4.071E+003	4.232E+003	4.399E+003
116	3.966E+003	4.124E+003	4.288E+003
117	3.864E+003	4.019E+003	4.180E+003
118	3.765E+003	3.917E+003	4.075E+003
119	3.670E+003	3.819E+003	3.973E+003
120	3.577E+003	3.723E+003	3.874E+003
121	3.486E+003	3.630E+003	3.778E+003
122	3.399E+003	3.539E+003	3.685E+003
123	3.314E+003	3.451E+003	3.595E+003
124	3.231E+003	3.366E+003	3.507E+003
125	3.151E+003	3.283E+003	3.421E+003