

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH20-3S104F [T, B]

RESISTANCE (at25°C)	100000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	3760 K	B-TOLERANCE (±)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	2.610E+006	2.731E+006	2.857E+006
-39	2.456E+006	2.567E+006	2.684E+006
-38	2.311E+006	2.414E+006	2.522E+006
-37	2.176E+006	2.272E+006	2.372E+006
-36	2.049E+006	2.138E+006	2.231E+006
-35	1.931E+006	2.013E+006	2.099E+006
-34	1.820E+006	1.897E+006	1.976E+006
-33	1.717E+006	1.788E+006	1.862E+006
-32	1.620E+006	1.686E+006	1.754E+006
-31	1.529E+006	1.590E+006	1.654E+006
-30	1.444E+006	1.501E+006	1.559E+006
-29	1.364E+006	1.417E+006	1.472E+006
-28	1.290E+006	1.339E+006	1.390E+006
-27	1.220E+006	1.265E+006	1.312E+006
-26	1.154E+006	1.196E+006	1.240E+006
-25	1.091E+006	1.131E+006	1.172E+006
-24	1.033E+006	1.070E+006	1.107E+006
-23	9.778E+005	1.012E+006	1.047E+006
-22	9.260E+005	9.576E+005	9.903E+005
-21	8.771E+005	9.065E+005	9.369E+005
-20	8.310E+005	8.584E+005	8.867E+005
-19	7.874E+005	8.129E+005	8.392E+005
-18	7.464E+005	7.701E+005	7.945E+005
-17	7.077E+005	7.298E+005	7.525E+005
-16	6.713E+005	6.918E+005	7.129E+005
-15	6.369E+005	6.560E+005	6.757E+005
-14	6.045E+005	6.223E+005	6.406E+005
-13	5.740E+005	5.906E+005	6.076E+005
-12	5.452E+005	5.606E+005	5.764E+005
-11	5.180E+005	5.323E+005	5.470E+005
-10	4.923E+005	5.056E+005	5.193E+005
-9	4.680E+005	4.805E+005	4.932E+005
-8	4.451E+005	4.567E+005	4.686E+005
-7	4.234E+005	4.342E+005	4.453E+005
-6	4.029E+005	4.130E+005	4.233E+005
-5	3.835E+005	3.929E+005	4.025E+005
-4	3.652E+005	3.739E+005	3.828E+005
-3	3.478E+005	3.559E+005	3.642E+005
-2	3.314E+005	3.389E+005	3.466E+005
-1	3.158E+005	3.228E+005	3.300E+005
0	3.010E+005	3.076E+005	3.143E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	3.010E+005	3.076E+005	3.143E+005
1	2.870E+005	2.931E+005	2.993E+005
2	2.737E+005	2.794E+005	2.852E+005
3	2.611E+005	2.664E+005	2.718E+005
4	2.492E+005	2.541E+005	2.591E+005
5	2.379E+005	2.425E+005	2.471E+005
6	2.271E+005	2.314E+005	2.357E+005
7	2.169E+005	2.209E+005	2.249E+005
8	2.072E+005	2.109E+005	2.147E+005
9	1.980E+005	2.015E+005	2.049E+005
10	1.893E+005	1.925E+005	1.957E+005
11	1.810E+005	1.839E+005	1.869E+005
12	1.731E+005	1.758E+005	1.786E+005
13	1.656E+005	1.681E+005	1.707E+005
14	1.584E+005	1.608E+005	1.632E+005
15	1.516E+005	1.538E+005	1.560E+005
16	1.451E+005	1.472E+005	1.492E+005
17	1.389E+005	1.408E+005	1.427E+005
18	1.331E+005	1.348E+005	1.366E+005
19	1.275E+005	1.291E+005	1.307E+005
20	1.221E+005	1.236E+005	1.251E+005
21	1.171E+005	1.184E+005	1.198E+005
22	1.122E+005	1.135E+005	1.148E+005
23	1.076E+005	1.088E+005	1.100E+005
24	1.032E+005	1.043E+005	1.054E+005
25	9.900E+004	1.000E+005	1.010E+005
26	9.491E+004	9.591E+004	9.691E+004
27	9.102E+004	9.202E+004	9.301E+004
28	8.731E+004	8.830E+004	8.929E+004
29	8.376E+004	8.475E+004	8.574E+004
30	8.038E+004	8.136E+004	8.235E+004
31	7.716E+004	7.813E+004	7.911E+004
32	7.408E+004	7.505E+004	7.602E+004
33	7.114E+004	7.210E+004	7.306E+004
34	6.834E+004	6.928E+004	7.024E+004
35	6.566E+004	6.659E+004	6.754E+004
36	6.310E+004	6.402E+004	6.495E+004
37	6.065E+004	6.156E+004	6.248E+004
38	5.831E+004	5.921E+004	6.012E+004
39	5.607E+004	5.696E+004	5.786E+004
40	5.393E+004	5.481E+004	5.569E+004

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RESISTANCE (at25°C)	100000 Ω	R-TOLERANCE (±)	1 %
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T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.393E+004	5.481E+004	5.569E+004
41	5.188E+004	5.275E+004	5.362E+004
42	4.992E+004	5.077E+004	5.163E+004
43	4.805E+004	4.888E+004	4.973E+004
44	4.625E+004	4.707E+004	4.790E+004
45	4.453E+004	4.534E+004	4.616E+004
46	4.288E+004	4.368E+004	4.448E+004
47	4.130E+004	4.208E+004	4.288E+004
48	3.979E+004	4.056E+004	4.134E+004
49	3.834E+004	3.910E+004	3.986E+004
50	3.696E+004	3.770E+004	3.845E+004
51	3.563E+004	3.635E+004	3.709E+004
52	3.435E+004	3.506E+004	3.578E+004
53	3.313E+004	3.382E+004	3.453E+004
54	3.195E+004	3.264E+004	3.333E+004
55	3.082E+004	3.150E+004	3.218E+004
56	2.974E+004	3.040E+004	3.107E+004
57	2.871E+004	2.935E+004	3.001E+004
58	2.771E+004	2.834E+004	2.899E+004
59	2.675E+004	2.737E+004	2.801E+004
60	2.583E+004	2.644E+004	2.706E+004
61	2.495E+004	2.555E+004	2.616E+004
62	2.410E+004	2.469E+004	2.528E+004
63	2.329E+004	2.386E+004	2.444E+004
64	2.250E+004	2.306E+004	2.364E+004
65	2.175E+004	2.230E+004	2.286E+004
66	2.103E+004	2.156E+004	2.211E+004
67	2.033E+004	2.086E+004	2.140E+004
68	1.966E+004	2.018E+004	2.070E+004
69	1.901E+004	1.952E+004	2.004E+004
70	1.839E+004	1.889E+004	1.940E+004
71	1.780E+004	1.828E+004	1.878E+004
72	1.722E+004	1.770E+004	1.819E+004
73	1.667E+004	1.714E+004	1.761E+004
74	1.614E+004	1.659E+004	1.706E+004
75	1.563E+004	1.607E+004	1.653E+004
76	1.513E+004	1.557E+004	1.602E+004
77	1.466E+004	1.508E+004	1.552E+004
78	1.420E+004	1.462E+004	1.505E+004
79	1.376E+004	1.417E+004	1.459E+004
80	1.333E+004	1.373E+004	1.414E+004

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.333E+004	1.373E+004	1.414E+004
81	1.292E+004	1.331E+004	1.372E+004
82	1.252E+004	1.291E+004	1.331E+004
83	1.214E+004	1.252E+004	1.291E+004
84	1.177E+004	1.214E+004	1.252E+004
85	1.142E+004	1.178E+004	1.215E+004
86	1.108E+004	1.143E+004	1.179E+004
87	1.074E+004	1.109E+004	1.145E+004
88	1.042E+004	1.076E+004	1.111E+004
89	1.012E+004	1.045E+004	1.079E+004
90	9.817E+003	1.014E+004	1.048E+004
91	9.527E+003	9.846E+003	1.017E+004
92	9.248E+003	9.560E+003	9.882E+003
93	8.978E+003	9.284E+003	9.599E+003
94	8.717E+003	9.017E+003	9.325E+003
95	8.465E+003	8.758E+003	9.060E+003
96	8.221E+003	8.508E+003	8.804E+003
97	7.986E+003	8.267E+003	8.557E+003
98	7.758E+003	8.033E+003	8.317E+003
99	7.538E+003	7.807E+003	8.085E+003
100	7.325E+003	7.588E+003	7.861E+003
101	7.118E+003	7.377E+003	7.644E+003
102	6.919E+003	7.172E+003	7.434E+003
103	6.726E+003	6.974E+003	7.230E+003
104	6.539E+003	6.782E+003	7.033E+003
105	6.358E+003	6.596E+003	6.842E+003
106	6.183E+003	6.416E+003	6.657E+003
107	6.014E+003	6.242E+003	6.478E+003
108	5.850E+003	6.073E+003	6.305E+003
109	5.691E+003	5.910E+003	6.137E+003
110	5.537E+003	5.751E+003	5.974E+003
111	5.387E+003	5.597E+003	5.815E+003
112	5.242E+003	5.448E+003	5.662E+003
113	5.102E+003	5.304E+003	5.513E+003
114	4.966E+003	5.164E+003	5.369E+003
115	4.834E+003	5.028E+003	5.229E+003
116	4.707E+003	4.897E+003	5.094E+003
117	4.583E+003	4.770E+003	4.963E+003
118	4.464E+003	4.646E+003	4.836E+003
119	4.348E+003	4.527E+003	4.712E+003
120	4.236E+003	4.411E+003	4.593E+003
121	4.127E+003	4.299E+003	4.477E+003
122	4.022E+003	4.190E+003	4.365E+003
123	3.919E+003	4.084E+003	4.256E+003
124	3.820E+003	3.982E+003	4.150E+003
125	3.724E+003	3.883E+003	4.048E+003