

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN05-3K803J [R, B]

RESISTANCE (at25°C)	80000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	3500 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.599E+006	1.857E+006	2.151E+006
-39	1.510E+006	1.750E+006	2.023E+006
-38	1.427E+006	1.650E+006	1.904E+006
-37	1.348E+006	1.557E+006	1.793E+006
-36	1.275E+006	1.469E+006	1.689E+006
-35	1.205E+006	1.387E+006	1.591E+006
-34	1.140E+006	1.309E+006	1.500E+006
-33	1.079E+006	1.237E+006	1.414E+006
-32	1.022E+006	1.169E+006	1.334E+006
-31	9.676E+005	1.105E+006	1.259E+006
-30	9.166E+005	1.045E+006	1.188E+006
-29	8.685E+005	9.883E+005	1.122E+006
-28	8.232E+005	9.351E+005	1.060E+006
-27	7.806E+005	8.852E+005	1.001E+006
-26	7.405E+005	8.382E+005	9.465E+005
-25	7.027E+005	7.940E+005	8.951E+005
-24	6.670E+005	7.525E+005	8.468E+005
-23	6.334E+005	7.134E+005	8.014E+005
-22	6.017E+005	6.766E+005	7.588E+005
-21	5.718E+005	6.419E+005	7.187E+005
-20	5.436E+005	6.092E+005	6.810E+005
-19	5.170E+005	5.784E+005	6.455E+005
-18	4.918E+005	5.493E+005	6.120E+005
-17	4.680E+005	5.219E+005	5.806E+005
-16	4.455E+005	4.960E+005	5.509E+005
-15	4.242E+005	4.716E+005	5.229E+005
-14	4.041E+005	4.485E+005	4.966E+005
-13	3.850E+005	4.267E+005	4.717E+005
-12	3.670E+005	4.061E+005	4.482E+005
-11	3.499E+005	3.866E+005	4.261E+005
-10	3.338E+005	3.682E+005	4.051E+005
-9	3.184E+005	3.507E+005	3.854E+005
-8	3.039E+005	3.342E+005	3.667E+005
-7	2.901E+005	3.186E+005	3.490E+005
-6	2.771E+005	3.038E+005	3.323E+005
-5	2.647E+005	2.898E+005	3.165E+005
-4	2.529E+005	2.765E+005	3.016E+005
-3	2.417E+005	2.639E+005	2.874E+005
-2	2.311E+005	2.520E+005	2.740E+005
-1	2.210E+005	2.406E+005	2.613E+005
0	2.114E+005	2.298E+005	2.492E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.114E+005	2.298E+005	2.492E+005
1	2.023E+005	2.196E+005	2.378E+005
2	1.936E+005	2.099E+005	2.270E+005
3	1.854E+005	2.007E+005	2.167E+005
4	1.775E+005	1.919E+005	2.070E+005
5	1.701E+005	1.836E+005	1.977E+005
6	1.630E+005	1.757E+005	1.890E+005
7	1.562E+005	1.682E+005	1.806E+005
8	1.497E+005	1.610E+005	1.727E+005
9	1.436E+005	1.542E+005	1.652E+005
10	1.377E+005	1.477E+005	1.580E+005
11	1.322E+005	1.416E+005	1.512E+005
12	1.268E+005	1.357E+005	1.448E+005
13	1.218E+005	1.301E+005	1.386E+005
14	1.169E+005	1.247E+005	1.328E+005
15	1.123E+005	1.197E+005	1.272E+005
16	1.079E+005	1.148E+005	1.219E+005
17	1.037E+005	1.102E+005	1.168E+005
18	9.963E+004	1.058E+005	1.120E+005
19	9.578E+004	1.016E+005	1.074E+005
20	9.211E+004	9.754E+004	1.030E+005
21	8.859E+004	9.370E+004	9.886E+004
22	8.523E+004	9.004E+004	9.488E+004
23	8.202E+004	8.654E+004	9.108E+004
24	7.894E+004	8.320E+004	8.746E+004
25	7.600E+004	8.000E+004	8.400E+004
26	7.301E+004	7.694E+004	8.089E+004
27	7.016E+004	7.402E+004	7.791E+004
28	6.743E+004	7.123E+004	7.505E+004
29	6.483E+004	6.856E+004	7.232E+004
30	6.234E+004	6.600E+004	6.970E+004
31	5.995E+004	6.355E+004	6.719E+004
32	5.768E+004	6.121E+004	6.479E+004
33	5.550E+004	5.896E+004	6.248E+004
34	5.342E+004	5.681E+004	6.027E+004
35	5.142E+004	5.475E+004	5.815E+004
36	4.951E+004	5.278E+004	5.611E+004
37	4.769E+004	5.089E+004	5.416E+004
38	4.594E+004	4.907E+004	5.229E+004
39	4.426E+004	4.733E+004	5.049E+004
40	4.266E+004	4.566E+004	4.876E+004

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	4.266E+004	4.566E+004	4.876E+004
41	4.112E+004	4.407E+004	4.711E+004
42	3.964E+004	4.253E+004	4.551E+004
43	3.823E+004	4.106E+004	4.398E+004
44	3.688E+004	3.964E+004	4.251E+004
45	3.558E+004	3.829E+004	4.110E+004
46	3.433E+004	3.698E+004	3.974E+004
47	3.313E+004	3.573E+004	3.844E+004
48	3.199E+004	3.453E+004	3.718E+004
49	3.088E+004	3.337E+004	3.597E+004
50	2.982E+004	3.226E+004	3.481E+004
51	2.881E+004	3.119E+004	3.369E+004
52	2.783E+004	3.016E+004	3.261E+004
53	2.689E+004	2.918E+004	3.158E+004
54	2.599E+004	2.823E+004	3.058E+004
55	2.512E+004	2.731E+004	2.961E+004
56	2.429E+004	2.643E+004	2.869E+004
57	2.349E+004	2.558E+004	2.780E+004
58	2.272E+004	2.477E+004	2.693E+004
59	2.198E+004	2.398E+004	2.610E+004
60	2.126E+004	2.322E+004	2.531E+004
61	2.058E+004	2.250E+004	2.453E+004
62	1.991E+004	2.179E+004	2.379E+004
63	1.928E+004	2.112E+004	2.307E+004
64	1.866E+004	2.046E+004	2.238E+004
65	1.807E+004	1.983E+004	2.171E+004
66	1.750E+004	1.923E+004	2.107E+004
67	1.696E+004	1.864E+004	2.044E+004
68	1.643E+004	1.808E+004	1.984E+004
69	1.592E+004	1.753E+004	1.926E+004
70	1.543E+004	1.701E+004	1.870E+004
71	1.496E+004	1.650E+004	1.816E+004
72	1.450E+004	1.602E+004	1.764E+004
73	1.406E+004	1.554E+004	1.714E+004
74	1.364E+004	1.509E+004	1.665E+004
75	1.323E+004	1.465E+004	1.618E+004
76	1.284E+004	1.422E+004	1.572E+004
77	1.245E+004	1.381E+004	1.528E+004
78	1.209E+004	1.342E+004	1.486E+004
79	1.173E+004	1.303E+004	1.444E+004
80	1.139E+004	1.266E+004	1.404E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.139E+004	1.266E+004	1.404E+004
81	1.106E+004	1.230E+004	1.366E+004
82	1.073E+004	1.196E+004	1.328E+004
83	1.042E+004	1.162E+004	1.292E+004
84	1.013E+004	1.130E+004	1.257E+004
85	9.836E+003	1.098E+004	1.223E+004
86	9.556E+003	1.068E+004	1.190E+004
87	9.285E+003	1.038E+004	1.159E+004
88	9.024E+003	1.010E+004	1.128E+004
89	8.771E+003	9.825E+003	1.098E+004
90	8.526E+003	9.559E+003	1.069E+004
91	8.289E+003	9.301E+003	1.041E+004
92	8.061E+003	9.051E+003	1.014E+004
93	7.839E+003	8.809E+003	9.875E+003
94	7.624E+003	8.575E+003	9.620E+003
95	7.417E+003	8.348E+003	9.372E+003
96	7.215E+003	8.128E+003	9.132E+003
97	7.021E+003	7.914E+003	8.899E+003
98	6.832E+003	7.707E+003	8.673E+003
99	6.649E+003	7.507E+003	8.454E+003
100	6.472E+003	7.312E+003	8.241E+003
101	6.300E+003	7.124E+003	8.034E+003
102	6.134E+003	6.941E+003	7.834E+003
103	5.972E+003	6.763E+003	7.639E+003
104	5.816E+003	6.591E+003	7.450E+003
105	5.664E+003	6.424E+003	7.266E+003
106	5.517E+003	6.261E+003	7.088E+003
107	5.374E+003	6.104E+003	6.915E+003
108	5.236E+003	5.951E+003	6.747E+003
109	5.102E+003	5.802E+003	6.583E+003
110	4.971E+003	5.658E+003	6.424E+003
111	4.845E+003	5.518E+003	6.269E+003
112	4.722E+003	5.382E+003	6.119E+003
113	4.603E+003	5.250E+003	5.973E+003
114	4.487E+003	5.121E+003	5.831E+003
115	4.375E+003	4.997E+003	5.693E+003
116	4.266E+003	4.876E+003	5.559E+003
117	4.160E+003	4.758E+003	5.428E+003
118	4.057E+003	4.643E+003	5.301E+003
119	3.957E+003	4.532E+003	5.178E+003
120	3.860E+003	4.424E+003	5.058E+003
121	3.766E+003	4.319E+003	4.941E+003
122	3.674E+003	4.217E+003	4.828E+003
123	3.585E+003	4.118E+003	4.717E+003
124	3.499E+003	4.021E+003	4.610E+003
125	3.415E+003	3.927E+003	4.505E+003