

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN20-3H103J [T, B]

RESISTANCE (at25°C)	10000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	3370 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.632E+005	1.888E+005	2.179E+005
-39	1.545E+005	1.784E+005	2.055E+005
-38	1.463E+005	1.686E+005	1.939E+005
-37	1.386E+005	1.595E+005	1.831E+005
-36	1.314E+005	1.509E+005	1.729E+005
-35	1.246E+005	1.429E+005	1.634E+005
-34	1.182E+005	1.353E+005	1.545E+005
-33	1.122E+005	1.282E+005	1.461E+005
-32	1.066E+005	1.216E+005	1.383E+005
-31	1.012E+005	1.153E+005	1.309E+005
-30	9.622E+004	1.094E+005	1.240E+005
-29	9.148E+004	1.038E+005	1.175E+005
-28	8.701E+004	9.856E+004	1.114E+005
-27	8.279E+004	9.362E+004	1.056E+005
-26	7.880E+004	8.896E+004	1.002E+005
-25	7.504E+004	8.457E+004	9.508E+004
-24	7.148E+004	8.043E+004	9.028E+004
-23	6.811E+004	7.652E+004	8.575E+004
-22	6.493E+004	7.282E+004	8.148E+004
-21	6.192E+004	6.933E+004	7.745E+004
-20	5.906E+004	6.604E+004	7.364E+004
-19	5.637E+004	6.292E+004	7.006E+004
-18	5.381E+004	5.997E+004	6.668E+004
-17	5.139E+004	5.718E+004	6.347E+004
-16	4.909E+004	5.454E+004	6.045E+004
-15	4.690E+004	5.204E+004	5.758E+004
-14	4.483E+004	4.966E+004	5.487E+004
-13	4.286E+004	4.741E+004	5.231E+004
-12	4.100E+004	4.528E+004	4.988E+004
-11	3.922E+004	4.325E+004	4.758E+004
-10	3.753E+004	4.133E+004	4.540E+004
-9	3.592E+004	3.950E+004	4.333E+004
-8	3.440E+004	3.777E+004	4.136E+004
-7	3.294E+004	3.612E+004	3.950E+004
-6	3.156E+004	3.455E+004	3.774E+004
-5	3.025E+004	3.307E+004	3.606E+004
-4	2.899E+004	3.166E+004	3.448E+004
-3	2.780E+004	3.031E+004	3.297E+004
-2	2.667E+004	2.904E+004	3.154E+004
-1	2.559E+004	2.782E+004	3.017E+004
0	2.456E+004	2.667E+004	2.888E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.456E+004	2.667E+004	2.888E+004
1	2.358E+004	2.557E+004	2.765E+004
2	2.264E+004	2.452E+004	2.648E+004
3	2.175E+004	2.352E+004	2.537E+004
4	2.089E+004	2.257E+004	2.431E+004
5	2.008E+004	2.166E+004	2.330E+004
6	1.930E+004	2.079E+004	2.234E+004
7	1.856E+004	1.997E+004	2.143E+004
8	1.785E+004	1.918E+004	2.055E+004
9	1.717E+004	1.842E+004	1.972E+004
10	1.652E+004	1.770E+004	1.893E+004
11	1.590E+004	1.702E+004	1.817E+004
12	1.530E+004	1.636E+004	1.745E+004
13	1.473E+004	1.573E+004	1.675E+004
14	1.419E+004	1.513E+004	1.610E+004
15	1.367E+004	1.456E+004	1.547E+004
16	1.317E+004	1.401E+004	1.486E+004
17	1.269E+004	1.348E+004	1.429E+004
18	1.223E+004	1.298E+004	1.374E+004
19	1.179E+004	1.250E+004	1.321E+004
20	1.137E+004	1.204E+004	1.271E+004
21	1.096E+004	1.159E+004	1.223E+004
22	1.057E+004	1.117E+004	1.177E+004
23	1.020E+004	1.076E+004	1.133E+004
24	9.844E+003	1.037E+004	1.090E+004
25	9.500E+003	1.000E+004	1.050E+004
26	9.149E+003	9.641E+003	1.013E+004
27	8.812E+003	9.297E+003	9.784E+003
28	8.490E+003	8.967E+003	9.447E+003
29	8.180E+003	8.649E+003	9.123E+003
30	7.883E+003	8.344E+003	8.811E+003
31	7.598E+003	8.051E+003	8.511E+003
32	7.324E+003	7.770E+003	8.222E+003
33	7.061E+003	7.499E+003	7.944E+003
34	6.809E+003	7.239E+003	7.677E+003
35	6.566E+003	6.989E+003	7.419E+003
36	6.333E+003	6.748E+003	7.171E+003
37	6.109E+003	6.516E+003	6.932E+003
38	5.894E+003	6.293E+003	6.702E+003
39	5.687E+003	6.078E+003	6.479E+003
40	5.487E+003	5.871E+003	6.265E+003

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	5.487E+003	5.871E+003	6.265E+003
41	5.295E+003	5.671E+003	6.058E+003
42	5.109E+003	5.478E+003	5.858E+003
43	4.931E+003	5.292E+003	5.665E+003
44	4.760E+003	5.113E+003	5.479E+003
45	4.595E+003	4.941E+003	5.300E+003
46	4.436E+003	4.775E+003	5.127E+003
47	4.284E+003	4.616E+003	4.961E+003
48	4.137E+003	4.462E+003	4.800E+003
49	3.996E+003	4.314E+003	4.645E+003
50	3.860E+003	4.171E+003	4.496E+003
51	3.729E+003	4.033E+003	4.352E+003
52	3.603E+003	3.901E+003	4.213E+003
53	3.482E+003	3.773E+003	4.079E+003
54	3.365E+003	3.650E+003	3.950E+003
55	3.253E+003	3.532E+003	3.825E+003
56	3.145E+003	3.418E+003	3.705E+003
57	3.041E+003	3.308E+003	3.590E+003
58	2.941E+003	3.202E+003	3.478E+003
59	2.845E+003	3.100E+003	3.370E+003
60	2.752E+003	3.002E+003	3.266E+003
61	2.663E+003	2.908E+003	3.167E+003
62	2.577E+003	2.817E+003	3.070E+003
63	2.495E+003	2.729E+003	2.977E+003
64	2.415E+003	2.644E+003	2.887E+003
65	2.339E+003	2.562E+003	2.801E+003
66	2.265E+003	2.484E+003	2.717E+003
67	2.193E+003	2.407E+003	2.636E+003
68	2.125E+003	2.334E+003	2.558E+003
69	2.058E+003	2.263E+003	2.482E+003
70	1.994E+003	2.195E+003	2.409E+003
71	1.932E+003	2.128E+003	2.339E+003
72	1.873E+003	2.065E+003	2.270E+003
73	1.815E+003	2.003E+003	2.204E+003
74	1.760E+003	1.943E+003	2.141E+003
75	1.706E+003	1.886E+003	2.079E+003
76	1.655E+003	1.830E+003	2.019E+003
77	1.605E+003	1.777E+003	1.962E+003
78	1.557E+003	1.725E+003	1.906E+003
79	1.510E+003	1.675E+003	1.852E+003
80	1.466E+003	1.626E+003	1.800E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.466E+003	1.626E+003	1.800E+003
81	1.422E+003	1.580E+003	1.750E+003
82	1.381E+003	1.535E+003	1.701E+003
83	1.340E+003	1.491E+003	1.654E+003
84	1.301E+003	1.449E+003	1.609E+003
85	1.264E+003	1.408E+003	1.565E+003
86	1.227E+003	1.369E+003	1.522E+003
87	1.192E+003	1.330E+003	1.481E+003
88	1.158E+003	1.293E+003	1.441E+003
89	1.125E+003	1.258E+003	1.402E+003
90	1.094E+003	1.223E+003	1.365E+003
91	1.063E+003	1.190E+003	1.328E+003
92	1.033E+003	1.157E+003	1.293E+003
93	1.004E+003	1.126E+003	1.259E+003
94	9.764E+002	1.095E+003	1.226E+003
95	9.495E+002	1.066E+003	1.194E+003
96	9.234E+002	1.037E+003	1.163E+003
97	8.981E+002	1.010E+003	1.133E+003
98	8.737E+002	9.831E+002	1.103E+003
99	8.500E+002	9.572E+002	1.075E+003
100	8.271E+002	9.321E+002	1.048E+003
101	8.049E+002	9.077E+002	1.021E+003
102	7.834E+002	8.841E+002	9.952E+002
103	7.626E+002	8.612E+002	9.701E+002
104	7.424E+002	8.390E+002	9.458E+002
105	7.229E+002	8.175E+002	9.223E+002
106	7.040E+002	7.967E+002	8.994E+002
107	6.856E+002	7.765E+002	8.772E+002
108	6.679E+002	7.569E+002	8.557E+002
109	6.507E+002	7.379E+002	8.348E+002
110	6.340E+002	7.195E+002	8.145E+002
111	6.179E+002	7.017E+002	7.949E+002
112	6.023E+002	6.844E+002	7.759E+002
113	5.871E+002	6.677E+002	7.574E+002
114	5.724E+002	6.514E+002	7.394E+002
115	5.581E+002	6.355E+002	7.219E+002
116	5.443E+002	6.202E+002	7.049E+002
117	5.308E+002	6.053E+002	6.884E+002
118	5.177E+002	5.908E+002	6.724E+002
119	5.051E+002	5.767E+002	6.568E+002
120	4.927E+002	5.630E+002	6.416E+002
121	4.808E+002	5.497E+002	6.268E+002
122	4.692E+002	5.367E+002	6.125E+002
123	4.579E+002	5.241E+002	5.985E+002
124	4.469E+002	5.119E+002	5.849E+002
125	4.362E+002	5.000E+002	5.717E+002