

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN11-3H103J [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	1.468E+005	1.698E+005	1.960E+005
-39	1.395E+005	1.611E+005	1.856E+005
-38	1.326E+005	1.528E+005	1.757E+005
-37	1.261E+005	1.450E+005	1.665E+005
-36	1.199E+005	1.377E+005	1.578E+005
-35	1.141E+005	1.308E+005	1.496E+005
-34	1.086E+005	1.243E+005	1.419E+005
-33	1.034E+005	1.181E+005	1.346E+005
-32	9.850E+004	1.123E+005	1.278E+005
-31	9.386E+004	1.069E+005	1.214E+005
-30	8.947E+004	1.017E+005	1.153E+005
-29	8.529E+004	9.678E+004	1.095E+005
-28	8.135E+004	9.214E+004	1.041E+005
-27	7.761E+004	8.776E+004	9.899E+004
-26	7.407E+004	8.362E+004	9.416E+004
-25	7.071E+004	7.970E+004	8.960E+004
-24	6.753E+004	7.599E+004	8.529E+004
-23	6.451E+004	7.247E+004	8.121E+004
-22	6.165E+004	6.914E+004	7.736E+004
-21	5.893E+004	6.599E+004	7.371E+004
-20	5.635E+004	6.300E+004	7.026E+004
-19	5.388E+004	6.014E+004	6.697E+004
-18	5.154E+004	5.744E+004	6.386E+004
-17	4.931E+004	5.488E+004	6.092E+004
-16	4.721E+004	5.245E+004	5.813E+004
-15	4.520E+004	5.015E+004	5.549E+004
-14	4.330E+004	4.796E+004	5.300E+004
-13	4.148E+004	4.589E+004	5.063E+004
-12	3.976E+004	4.391E+004	4.838E+004
-11	3.812E+004	4.204E+004	4.625E+004
-10	3.656E+004	4.026E+004	4.422E+004
-9	3.507E+004	3.856E+004	4.230E+004
-8	3.365E+004	3.695E+004	4.047E+004
-7	3.230E+004	3.541E+004	3.873E+004
-6	3.101E+004	3.395E+004	3.708E+004
-5	2.978E+004	3.255E+004	3.550E+004
-4	2.860E+004	3.122E+004	3.401E+004
-3	2.747E+004	2.996E+004	3.258E+004
-2	2.640E+004	2.875E+004	3.122E+004
-1	2.537E+004	2.759E+004	2.992E+004
0	2.439E+004	2.649E+004	2.869E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.439E+004	2.649E+004	2.869E+004
1	2.346E+004	2.544E+004	2.752E+004
2	2.257E+004	2.444E+004	2.640E+004
3	2.171E+004	2.348E+004	2.533E+004
4	2.089E+004	2.256E+004	2.431E+004
5	2.010E+004	2.168E+004	2.333E+004
6	1.934E+004	2.083E+004	2.239E+004
7	1.861E+004	2.002E+004	2.149E+004
8	1.791E+004	1.924E+004	2.063E+004
9	1.724E+004	1.850E+004	1.980E+004
10	1.659E+004	1.778E+004	1.901E+004
11	1.597E+004	1.710E+004	1.825E+004
12	1.538E+004	1.644E+004	1.753E+004
13	1.481E+004	1.581E+004	1.684E+004
14	1.426E+004	1.521E+004	1.617E+004
15	1.373E+004	1.463E+004	1.554E+004
16	1.323E+004	1.407E+004	1.493E+004
17	1.274E+004	1.354E+004	1.435E+004
18	1.228E+004	1.303E+004	1.379E+004
19	1.183E+004	1.254E+004	1.326E+004
20	1.140E+004	1.207E+004	1.275E+004
21	1.099E+004	1.162E+004	1.226E+004
22	1.059E+004	1.119E+004	1.179E+004
23	1.021E+004	1.078E+004	1.134E+004
24	9.850E+003	1.038E+004	1.091E+004
25	9.500E+003	1.000E+004	1.050E+004
26	9.143E+003	9.635E+003	1.013E+004
27	8.802E+003	9.286E+003	9.772E+003
28	8.474E+003	8.950E+003	9.430E+003
29	8.160E+003	8.629E+003	9.101E+003
30	7.860E+003	8.320E+003	8.785E+003
31	7.572E+003	8.024E+003	8.482E+003
32	7.296E+003	7.740E+003	8.190E+003
33	7.031E+003	7.467E+003	7.910E+003
34	6.777E+003	7.205E+003	7.641E+003
35	6.534E+003	6.954E+003	7.383E+003
36	6.301E+003	6.713E+003	7.134E+003
37	6.077E+003	6.481E+003	6.895E+003
38	5.862E+003	6.258E+003	6.665E+003
39	5.656E+003	6.044E+003	6.444E+003
40	5.458E+003	5.839E+003	6.231E+003

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	5.458E+003	5.839E+003	6.231E+003
41	5.267E+003	5.641E+003	6.027E+003
42	5.085E+003	5.451E+003	5.830E+003
43	4.910E+003	5.269E+003	5.640E+003
44	4.741E+003	5.093E+003	5.457E+003
45	4.579E+003	4.924E+003	5.282E+003
46	4.424E+003	4.762E+003	5.113E+003
47	4.274E+003	4.605E+003	4.950E+003
48	4.131E+003	4.455E+003	4.793E+003
49	3.993E+003	4.310E+003	4.642E+003
50	3.860E+003	4.171E+003	4.496E+003
51	3.732E+003	4.037E+003	4.356E+003
52	3.610E+003	3.908E+003	4.221E+003
53	3.491E+003	3.784E+003	4.090E+003
54	3.378E+003	3.664E+003	3.965E+003
55	3.268E+003	3.549E+003	3.844E+003
56	3.163E+003	3.438E+003	3.727E+003
57	3.062E+003	3.331E+003	3.614E+003
58	2.964E+003	3.227E+003	3.505E+003
59	2.870E+003	3.128E+003	3.400E+003
60	2.779E+003	3.032E+003	3.299E+003
61	2.692E+003	2.939E+003	3.201E+003
62	2.608E+003	2.850E+003	3.106E+003
63	2.526E+003	2.763E+003	3.015E+003
64	2.448E+003	2.680E+003	2.927E+003
65	2.373E+003	2.600E+003	2.842E+003
66	2.300E+003	2.522E+003	2.759E+003
67	2.230E+003	2.448E+003	2.680E+003
68	2.162E+003	2.375E+003	2.603E+003
69	2.097E+003	2.306E+003	2.529E+003
70	2.034E+003	2.239E+003	2.457E+003
71	1.973E+003	2.174E+003	2.388E+003
72	1.915E+003	2.111E+003	2.321E+003
73	1.858E+003	2.050E+003	2.257E+003
74	1.804E+003	1.992E+003	2.194E+003
75	1.751E+003	1.935E+003	2.133E+003
76	1.700E+003	1.881E+003	2.075E+003
77	1.651E+003	1.828E+003	2.018E+003
78	1.603E+003	1.776E+003	1.963E+003
79	1.557E+003	1.727E+003	1.910E+003
80	1.513E+003	1.679E+003	1.859E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.513E+003	1.679E+003	1.859E+003
81	1.470E+003	1.633E+003	1.809E+003
82	1.428E+003	1.588E+003	1.760E+003
83	1.388E+003	1.544E+003	1.714E+003
84	1.349E+003	1.502E+003	1.668E+003
85	1.312E+003	1.461E+003	1.624E+003
86	1.275E+003	1.422E+003	1.582E+003
87	1.240E+003	1.384E+003	1.540E+003
88	1.206E+003	1.347E+003	1.500E+003
89	1.173E+003	1.311E+003	1.462E+003
90	1.141E+003	1.276E+003	1.424E+003
91	1.110E+003	1.243E+003	1.388E+003
92	1.080E+003	1.210E+003	1.352E+003
93	1.051E+003	1.179E+003	1.318E+003
94	1.023E+003	1.148E+003	1.285E+003
95	9.961E+002	1.118E+003	1.253E+003
96	9.698E+002	1.090E+003	1.221E+003
97	9.443E+002	1.062E+003	1.191E+003
98	9.196E+002	1.035E+003	1.161E+003
99	8.956E+002	1.008E+003	1.133E+003
100	8.724E+002	9.831E+002	1.105E+003
101	8.498E+002	9.583E+002	1.078E+003
102	8.280E+002	9.344E+002	1.052E+003
103	8.068E+002	9.111E+002	1.026E+003
104	7.863E+002	8.886E+002	1.002E+003
105	7.663E+002	8.667E+002	9.777E+002
106	7.470E+002	8.454E+002	9.544E+002
107	7.283E+002	8.248E+002	9.318E+002
108	7.101E+002	8.048E+002	9.098E+002
109	6.925E+002	7.853E+002	8.884E+002
110	6.754E+002	7.665E+002	8.677E+002
111	6.588E+002	7.482E+002	8.475E+002
112	6.427E+002	7.304E+002	8.279E+002
113	6.270E+002	7.131E+002	8.089E+002
114	6.119E+002	6.963E+002	7.904E+002
115	5.971E+002	6.800E+002	7.724E+002
116	5.828E+002	6.641E+002	7.549E+002
117	5.689E+002	6.487E+002	7.379E+002
118	5.554E+002	6.338E+002	7.213E+002
119	5.423E+002	6.192E+002	7.052E+002
120	5.296E+002	6.051E+002	6.896E+002
121	5.172E+002	5.913E+002	6.743E+002
122	5.052E+002	5.780E+002	6.595E+002
123	4.935E+002	5.650E+002	6.451E+002
124	4.822E+002	5.523E+002	6.311E+002
125	4.711E+002	5.400E+002	6.174E+002