

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN11-3K683J [T, B]

RESISTANCE (at25°C)	68000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	3500 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.359E+006	1.578E+006	1.828E+006
-39	1.284E+006	1.488E+006	1.720E+006
-38	1.213E+006	1.403E+006	1.619E+006
-37	1.146E+006	1.323E+006	1.524E+006
-36	1.083E+006	1.249E+006	1.435E+006
-35	1.025E+006	1.179E+006	1.352E+006
-34	9.693E+005	1.113E+006	1.275E+006
-33	9.173E+005	1.051E+006	1.202E+006
-32	8.684E+005	9.935E+005	1.134E+006
-31	8.224E+005	9.392E+005	1.070E+006
-30	7.791E+005	8.881E+005	1.010E+006
-29	7.382E+005	8.400E+005	9.535E+005
-28	6.997E+005	7.949E+005	9.006E+005
-27	6.635E+005	7.524E+005	8.510E+005
-26	6.294E+005	7.125E+005	8.045E+005
-25	5.973E+005	6.749E+005	7.608E+005
-24	5.670E+005	6.396E+005	7.198E+005
-23	5.384E+005	6.064E+005	6.812E+005
-22	5.115E+005	5.751E+005	6.450E+005
-21	4.861E+005	5.456E+005	6.109E+005
-20	4.621E+005	5.178E+005	5.788E+005
-19	4.394E+005	4.916E+005	5.486E+005
-18	4.180E+005	4.669E+005	5.202E+005
-17	3.978E+005	4.436E+005	4.935E+005
-16	3.787E+005	4.216E+005	4.683E+005
-15	3.606E+005	4.008E+005	4.445E+005
-14	3.435E+005	3.812E+005	4.221E+005
-13	3.273E+005	3.627E+005	4.009E+005
-12	3.120E+005	3.452E+005	3.810E+005
-11	2.974E+005	3.286E+005	3.621E+005
-10	2.837E+005	3.130E+005	3.444E+005
-9	2.707E+005	2.981E+005	3.276E+005
-8	2.583E+005	2.841E+005	3.117E+005
-7	2.466E+005	2.708E+005	2.967E+005
-6	2.355E+005	2.583E+005	2.825E+005
-5	2.250E+005	2.463E+005	2.690E+005
-4	2.150E+005	2.350E+005	2.563E+005
-3	2.055E+005	2.243E+005	2.443E+005
-2	1.964E+005	2.142E+005	2.329E+005
-1	1.879E+005	2.045E+005	2.221E+005
0	1.797E+005	1.954E+005	2.119E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	1.797E+005	1.954E+005	2.119E+005
1	1.720E+005	1.867E+005	2.022E+005
2	1.646E+005	1.784E+005	1.930E+005
3	1.576E+005	1.706E+005	1.842E+005
4	1.509E+005	1.632E+005	1.759E+005
5	1.446E+005	1.561E+005	1.681E+005
6	1.385E+005	1.494E+005	1.606E+005
7	1.328E+005	1.430E+005	1.535E+005
8	1.273E+005	1.369E+005	1.468E+005
9	1.221E+005	1.311E+005	1.404E+005
10	1.171E+005	1.256E+005	1.343E+005
11	1.123E+005	1.203E+005	1.285E+005
12	1.078E+005	1.153E+005	1.231E+005
13	1.035E+005	1.106E+005	1.178E+005
14	9.938E+004	1.060E+005	1.128E+005
15	9.545E+004	1.017E+005	1.081E+005
16	9.169E+004	9.758E+004	1.036E+005
17	8.811E+004	9.365E+004	9.929E+004
18	8.469E+004	8.990E+004	9.520E+004
19	8.142E+004	8.632E+004	9.130E+004
20	7.829E+004	8.291E+004	8.758E+004
21	7.530E+004	7.965E+004	8.403E+004
22	7.245E+004	7.653E+004	8.065E+004
23	6.971E+004	7.356E+004	7.742E+004
24	6.710E+004	7.072E+004	7.434E+004
25	6.460E+004	6.800E+004	7.140E+004
26	6.206E+004	6.540E+004	6.875E+004
27	5.963E+004	6.292E+004	6.622E+004
28	5.732E+004	6.054E+004	6.380E+004
29	5.510E+004	5.827E+004	6.147E+004
30	5.298E+004	5.610E+004	5.925E+004
31	5.096E+004	5.402E+004	5.711E+004
32	4.903E+004	5.202E+004	5.507E+004
33	4.717E+004	5.012E+004	5.311E+004
34	4.540E+004	4.829E+004	5.123E+004
35	4.371E+004	4.654E+004	4.943E+004
36	4.209E+004	4.486E+004	4.770E+004
37	4.053E+004	4.325E+004	4.604E+004
38	3.905E+004	4.171E+004	4.445E+004
39	3.762E+004	4.023E+004	4.292E+004
40	3.626E+004	3.882E+004	4.145E+004

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	3.626E+004	3.882E+004	4.145E+004
41	3.495E+004	3.746E+004	4.004E+004
42	3.370E+004	3.615E+004	3.869E+004
43	3.250E+004	3.490E+004	3.739E+004
44	3.134E+004	3.370E+004	3.614E+004
45	3.024E+004	3.254E+004	3.494E+004
46	2.918E+004	3.144E+004	3.378E+004
47	2.816E+004	3.037E+004	3.267E+004
48	2.719E+004	2.935E+004	3.160E+004
49	2.625E+004	2.837E+004	3.058E+004
50	2.535E+004	2.742E+004	2.959E+004
51	2.449E+004	2.651E+004	2.864E+004
52	2.366E+004	2.564E+004	2.772E+004
53	2.286E+004	2.480E+004	2.684E+004
54	2.209E+004	2.399E+004	2.599E+004
55	2.135E+004	2.321E+004	2.517E+004
56	2.065E+004	2.247E+004	2.438E+004
57	1.997E+004	2.175E+004	2.363E+004
58	1.931E+004	2.105E+004	2.289E+004
59	1.868E+004	2.038E+004	2.219E+004
60	1.807E+004	1.974E+004	2.151E+004
61	1.749E+004	1.912E+004	2.085E+004
62	1.693E+004	1.852E+004	2.022E+004
63	1.639E+004	1.795E+004	1.961E+004
64	1.586E+004	1.739E+004	1.902E+004
65	1.536E+004	1.686E+004	1.845E+004
66	1.488E+004	1.634E+004	1.791E+004
67	1.441E+004	1.585E+004	1.738E+004
68	1.396E+004	1.537E+004	1.687E+004
69	1.353E+004	1.490E+004	1.637E+004
70	1.312E+004	1.446E+004	1.590E+004
71	1.271E+004	1.403E+004	1.544E+004
72	1.233E+004	1.361E+004	1.500E+004
73	1.195E+004	1.321E+004	1.457E+004
74	1.159E+004	1.283E+004	1.415E+004
75	1.125E+004	1.245E+004	1.375E+004
76	1.091E+004	1.209E+004	1.337E+004
77	1.059E+004	1.174E+004	1.299E+004
78	1.027E+004	1.140E+004	1.263E+004
79	9.971E+003	1.108E+004	1.228E+004
80	9.679E+003	1.076E+004	1.194E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	9.679E+003	1.076E+004	1.194E+004
81	9.397E+003	1.046E+004	1.161E+004
82	9.124E+003	1.016E+004	1.129E+004
83	8.861E+003	9.878E+003	1.098E+004
84	8.606E+003	9.602E+003	1.069E+004
85	8.360E+003	9.335E+003	1.040E+004
86	8.122E+003	9.077E+003	1.012E+004
87	7.893E+003	8.827E+003	9.848E+003
88	7.670E+003	8.585E+003	9.586E+003
89	7.455E+003	8.351E+003	9.332E+003
90	7.247E+003	8.125E+003	9.086E+003
91	7.046E+003	7.906E+003	8.848E+003
92	6.851E+003	7.693E+003	8.617E+003
93	6.663E+003	7.488E+003	8.394E+003
94	6.481E+003	7.289E+003	8.177E+003
95	6.304E+003	7.096E+003	7.966E+003
96	6.133E+003	6.908E+003	7.762E+003
97	5.968E+003	6.727E+003	7.564E+003
98	5.807E+003	6.551E+003	7.372E+003
99	5.652E+003	6.381E+003	7.186E+003
100	5.501E+003	6.215E+003	7.005E+003
101	5.355E+003	6.055E+003	6.829E+003
102	5.214E+003	5.899E+003	6.659E+003
103	5.077E+003	5.749E+003	6.493E+003
104	4.944E+003	5.602E+003	6.333E+003
105	4.815E+003	5.460E+003	6.176E+003
106	4.690E+003	5.322E+003	6.025E+003
107	4.568E+003	5.188E+003	5.878E+003
108	4.451E+003	5.058E+003	5.735E+003
109	4.336E+003	4.932E+003	5.596E+003
110	4.226E+003	4.810E+003	5.460E+003
111	4.118E+003	4.690E+003	5.329E+003
112	4.014E+003	4.575E+003	5.201E+003
113	3.912E+003	4.462E+003	5.077E+003
114	3.814E+003	4.353E+003	4.956E+003
115	3.718E+003	4.247E+003	4.839E+003
116	3.626E+003	4.144E+003	4.725E+003
117	3.536E+003	4.044E+003	4.614E+003
118	3.448E+003	3.947E+003	4.506E+003
119	3.363E+003	3.852E+003	4.401E+003
120	3.281E+003	3.760E+003	4.299E+003
121	3.201E+003	3.671E+003	4.200E+003
122	3.123E+003	3.584E+003	4.103E+003
123	3.048E+003	3.500E+003	4.010E+003
124	2.974E+003	3.418E+003	3.918E+003
125	2.903E+003	3.338E+003	3.829E+003