

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN11-4B473J [T, B]

RESISTANCE (at25°C)	47000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	4050 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.448E+006	1.708E+006	2.009E+006
-39	1.360E+006	1.600E+006	1.878E+006
-38	1.277E+006	1.499E+006	1.756E+006
-37	1.200E+006	1.406E+006	1.642E+006
-36	1.127E+006	1.318E+006	1.537E+006
-35	1.060E+006	1.236E+006	1.438E+006
-34	9.964E+005	1.160E+006	1.347E+006
-33	9.370E+005	1.088E+006	1.261E+006
-32	8.815E+005	1.022E+006	1.181E+006
-31	8.294E+005	9.594E+005	1.107E+006
-30	7.807E+005	9.011E+005	1.038E+006
-29	7.349E+005	8.466E+005	9.727E+005
-28	6.920E+005	7.956E+005	9.123E+005
-27	6.519E+005	7.479E+005	8.559E+005
-26	6.142E+005	7.033E+005	8.032E+005
-25	5.789E+005	6.616E+005	7.541E+005
-24	5.459E+005	6.225E+005	7.082E+005
-23	5.148E+005	5.860E+005	6.653E+005
-22	4.857E+005	5.518E+005	6.253E+005
-21	4.584E+005	5.197E+005	5.878E+005
-20	4.327E+005	4.897E+005	5.528E+005
-19	4.086E+005	4.615E+005	5.200E+005
-18	3.859E+005	4.351E+005	4.894E+005
-17	3.647E+005	4.104E+005	4.607E+005
-16	3.447E+005	3.872E+005	4.338E+005
-15	3.259E+005	3.654E+005	4.087E+005
-14	3.082E+005	3.450E+005	3.851E+005
-13	2.916E+005	3.258E+005	3.631E+005
-12	2.760E+005	3.078E+005	3.424E+005
-11	2.613E+005	2.909E+005	3.230E+005
-10	2.474E+005	2.750E+005	3.048E+005
-9	2.344E+005	2.600E+005	2.877E+005
-8	2.221E+005	2.460E+005	2.717E+005
-7	2.106E+005	2.328E+005	2.567E+005
-6	1.997E+005	2.203E+005	2.426E+005
-5	1.894E+005	2.086E+005	2.293E+005
-4	1.797E+005	1.976E+005	2.168E+005
-3	1.705E+005	1.873E+005	2.051E+005
-2	1.619E+005	1.775E+005	1.941E+005
-1	1.538E+005	1.683E+005	1.837E+005
0	1.461E+005	1.596E+005	1.740E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	1.461E+005	1.596E+005	1.740E+005
1	1.388E+005	1.515E+005	1.648E+005
2	1.320E+005	1.437E+005	1.562E+005
3	1.255E+005	1.365E+005	1.480E+005
4	1.194E+005	1.296E+005	1.403E+005
5	1.136E+005	1.231E+005	1.331E+005
6	1.081E+005	1.170E+005	1.263E+005
7	1.029E+005	1.112E+005	1.199E+005
8	9.801E+004	1.057E+005	1.138E+005
9	9.337E+004	1.006E+005	1.081E+005
10	8.897E+004	9.570E+004	1.027E+005
11	8.481E+004	9.108E+004	9.757E+004
12	8.086E+004	8.671E+004	9.275E+004
13	7.712E+004	8.258E+004	8.820E+004
14	7.357E+004	7.866E+004	8.390E+004
15	7.021E+004	7.496E+004	7.983E+004
16	6.702E+004	7.145E+004	7.598E+004
17	6.399E+004	6.812E+004	7.233E+004
18	6.112E+004	6.497E+004	6.889E+004
19	5.839E+004	6.198E+004	6.562E+004
20	5.580E+004	5.914E+004	6.253E+004
21	5.334E+004	5.646E+004	5.961E+004
22	5.100E+004	5.390E+004	5.683E+004
23	4.877E+004	5.148E+004	5.421E+004
24	4.666E+004	4.918E+004	5.171E+004
25	4.465E+004	4.700E+004	4.935E+004
26	4.262E+004	4.493E+004	4.724E+004
27	4.070E+004	4.295E+004	4.523E+004
28	3.887E+004	4.108E+004	4.331E+004
29	3.713E+004	3.930E+004	4.149E+004
30	3.549E+004	3.761E+004	3.975E+004
31	3.392E+004	3.600E+004	3.810E+004
32	3.243E+004	3.446E+004	3.652E+004
33	3.102E+004	3.300E+004	3.502E+004
34	2.968E+004	3.161E+004	3.359E+004
35	2.840E+004	3.029E+004	3.223E+004
36	2.718E+004	2.903E+004	3.093E+004
37	2.602E+004	2.783E+004	2.969E+004
38	2.492E+004	2.668E+004	2.850E+004
39	2.387E+004	2.559E+004	2.737E+004
40	2.288E+004	2.455E+004	2.629E+004

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	2.288E+004	2.455E+004	2.629E+004
41	2.192E+004	2.356E+004	2.526E+004
42	2.102E+004	2.262E+004	2.427E+004
43	2.015E+004	2.171E+004	2.333E+004
44	1.933E+004	2.085E+004	2.243E+004
45	1.854E+004	2.003E+004	2.157E+004
46	1.780E+004	1.924E+004	2.075E+004
47	1.708E+004	1.849E+004	1.997E+004
48	1.640E+004	1.777E+004	1.921E+004
49	1.575E+004	1.709E+004	1.850E+004
50	1.513E+004	1.643E+004	1.781E+004
51	1.453E+004	1.581E+004	1.715E+004
52	1.397E+004	1.521E+004	1.652E+004
53	1.342E+004	1.463E+004	1.591E+004
54	1.291E+004	1.409E+004	1.533E+004
55	1.241E+004	1.356E+004	1.478E+004
56	1.194E+004	1.306E+004	1.425E+004
57	1.149E+004	1.258E+004	1.374E+004
58	1.105E+004	1.212E+004	1.325E+004
59	1.064E+004	1.168E+004	1.278E+004
60	1.024E+004	1.125E+004	1.233E+004
61	9.864E+003	1.085E+004	1.190E+004
62	9.501E+003	1.046E+004	1.149E+004
63	9.153E+003	1.009E+004	1.109E+004
64	8.820E+003	9.732E+003	1.071E+004
65	8.500E+003	9.390E+003	1.035E+004
66	8.195E+003	9.061E+003	9.995E+003
67	7.901E+003	8.746E+003	9.658E+003
68	7.620E+003	8.444E+003	9.334E+003
69	7.351E+003	8.154E+003	9.022E+003
70	7.092E+003	7.875E+003	8.723E+003
71	6.844E+003	7.607E+003	8.435E+003
72	6.606E+003	7.350E+003	8.158E+003
73	6.377E+003	7.103E+003	7.892E+003
74	6.158E+003	6.866E+003	7.636E+003
75	5.947E+003	6.638E+003	7.390E+003
76	5.745E+003	6.418E+003	7.153E+003
77	5.551E+003	6.208E+003	6.925E+003
78	5.364E+003	6.005E+003	6.705E+003
79	5.185E+003	5.810E+003	6.493E+003
80	5.012E+003	5.622E+003	6.290E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	5.012E+003	5.622E+003	6.290E+003
81	4.847E+003	5.441E+003	6.094E+003
82	4.687E+003	5.267E+003	5.905E+003
83	4.534E+003	5.100E+003	5.722E+003
84	4.386E+003	4.939E+003	5.547E+003
85	4.244E+003	4.784E+003	5.378E+003
86	4.108E+003	4.634E+003	5.214E+003
87	3.976E+003	4.490E+003	5.057E+003
88	3.850E+003	4.351E+003	4.905E+003
89	3.728E+003	4.217E+003	4.759E+003
90	3.611E+003	4.088E+003	4.617E+003
91	3.498E+003	3.964E+003	4.481E+003
92	3.389E+003	3.844E+003	4.349E+003
93	3.284E+003	3.728E+003	4.222E+003
94	3.182E+003	3.617E+003	4.100E+003
95	3.085E+003	3.509E+003	3.981E+003
96	2.991E+003	3.405E+003	3.867E+003
97	2.900E+003	3.305E+003	3.756E+003
98	2.813E+003	3.208E+003	3.649E+003
99	2.728E+003	3.114E+003	3.546E+003
100	2.647E+003	3.024E+003	3.446E+003
101	2.568E+003	2.937E+003	3.349E+003
102	2.492E+003	2.852E+003	3.256E+003
103	2.419E+003	2.771E+003	3.166E+003
104	2.348E+003	2.692E+003	3.079E+003
105	2.280E+003	2.616E+003	2.994E+003
106	2.214E+003	2.542E+003	2.912E+003
107	2.150E+003	2.471E+003	2.833E+003
108	2.088E+003	2.402E+003	2.757E+003
109	2.029E+003	2.336E+003	2.683E+003
110	1.971E+003	2.271E+003	2.611E+003
111	1.916E+003	2.209E+003	2.541E+003
112	1.862E+003	2.149E+003	2.474E+003
113	1.810E+003	2.091E+003	2.409E+003
114	1.760E+003	2.034E+003	2.345E+003
115	1.711E+003	1.979E+003	2.284E+003
116	1.664E+003	1.926E+003	2.225E+003
117	1.618E+003	1.875E+003	2.167E+003
118	1.574E+003	1.825E+003	2.112E+003
119	1.531E+003	1.777E+003	2.058E+003
120	1.490E+003	1.731E+003	2.005E+003
121	1.450E+003	1.685E+003	1.954E+003
122	1.411E+003	1.642E+003	1.905E+003
123	1.374E+003	1.599E+003	1.857E+003
124	1.337E+003	1.558E+003	1.811E+003
125	1.302E+003	1.518E+003	1.766E+003