

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	STS-50
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	10000 Ω	R-TOLERANCE (%)	3	R-TOLERANCE (%)	3
B(T1°C/T2°C)	3465 K	B-TOLERANCE (K)	103.95	B-TOLERANCE (K)	103.95

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	2.056E+05	2.336E+05	2.652E+05
-39	1.939E+05	2.199E+05	2.491E+05
-38	1.829E+05	2.070E+05	2.341E+05
-37	1.726E+05	1.950E+05	2.201E+05
-36	1.630E+05	1.838E+05	2.071E+05
-35	1.540E+05	1.733E+05	1.949E+05
-34	1.455E+05	1.635E+05	1.835E+05
-33	1.376E+05	1.543E+05	1.729E+05
-32	1.301E+05	1.457E+05	1.629E+05
-31	1.231E+05	1.376E+05	1.536E+05
-30	1.166E+05	1.300E+05	1.449E+05
-29	1.104E+05	1.229E+05	1.368E+05
-28	1.046E+05	1.163E+05	1.291E+05
-27	9.914E+04	1.100E+05	1.220E+05
-26	9.400E+04	1.041E+05	1.153E+05
-25	8.917E+04	9.862E+04	1.090E+05
-24	8.462E+04	9.343E+04	1.031E+05
-23	8.034E+04	8.855E+04	9.752E+04
-22	7.629E+04	8.396E+04	9.231E+04
-21	7.248E+04	7.963E+04	8.741E+04
-20	6.889E+04	7.556E+04	8.280E+04
-19	6.549E+04	7.172E+04	7.847E+04
-18	6.229E+04	6.810E+04	7.439E+04
-17	5.926E+04	6.469E+04	7.055E+04
-16	5.640E+04	6.147E+04	6.694E+04
-15	5.370E+04	5.844E+04	6.353E+04
-14	5.115E+04	5.557E+04	6.032E+04
-13	4.873E+04	5.287E+04	5.730E+04
-12	4.645E+04	5.031E+04	5.444E+04
-11	4.429E+04	4.790E+04	5.175E+04
-10	4.224E+04	4.561E+04	4.921E+04
-9	4.030E+04	4.346E+04	4.681E+04
-8	3.847E+04	4.142E+04	4.455E+04
-7	3.673E+04	3.948E+04	4.241E+04
-6	3.507E+04	3.765E+04	4.038E+04
-5	3.351E+04	3.592E+04	3.847E+04
-4	3.202E+04	3.428E+04	3.666E+04
-3	3.061E+04	3.272E+04	3.494E+04
-2	2.927E+04	3.124E+04	3.332E+04
-1	2.800E+04	2.984E+04	3.178E+04
0	2.679E+04	2.851E+04	3.032E+04

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.679E+04	2.851E+04	3.032E+04
1	2.564E+04	2.725E+04	2.894E+04
2	2.454E+04	2.605E+04	2.762E+04
3	2.350E+04	2.491E+04	2.638E+04
4	2.251E+04	2.383E+04	2.520E+04
5	2.157E+04	2.280E+04	2.408E+04
6	2.067E+04	2.183E+04	2.302E+04
7	1.982E+04	2.090E+04	2.201E+04
8	1.901E+04	2.001E+04	2.105E+04
9	1.823E+04	1.917E+04	2.014E+04
10	1.749E+04	1.837E+04	1.928E+04
11	1.679E+04	1.761E+04	1.845E+04
12	1.612E+04	1.688E+04	1.767E+04
13	1.548E+04	1.619E+04	1.692E+04
14	1.487E+04	1.553E+04	1.621E+04
15	1.428E+04	1.490E+04	1.554E+04
16	1.373E+04	1.431E+04	1.490E+04
17	1.319E+04	1.373E+04	1.428E+04
18	1.269E+04	1.319E+04	1.370E+04
19	1.220E+04	1.267E+04	1.314E+04
20	1.174E+04	1.217E+04	1.261E+04
21	1.129E+04	1.170E+04	1.210E+04
22	1.087E+04	1.124E+04	1.162E+04
23	1.046E+04	1.081E+04	1.116E+04
24	1.007E+04	1.040E+04	1.072E+04
25	9.700E+03	1.000E+04	1.030E+04
26	9.322E+03	9.622E+03	9.922E+03
27	8.961E+03	9.260E+03	9.560E+03
28	8.616E+03	8.914E+03	9.213E+03
29	8.287E+03	8.582E+03	8.881E+03
30	7.971E+03	8.265E+03	8.562E+03
31	7.670E+03	7.962E+03	8.257E+03
32	7.381E+03	7.671E+03	7.964E+03
33	7.106E+03	7.392E+03	7.684E+03
34	6.841E+03	7.125E+03	7.415E+03
35	6.589E+03	6.870E+03	7.156E+03
36	6.347E+03	6.624E+03	6.908E+03
37	6.115E+03	6.389E+03	6.670E+03
38	5.893E+03	6.164E+03	6.442E+03
39	5.680E+03	5.948E+03	6.223E+03
40	5.476E+03	5.740E+03	6.012E+03
41	5.280E+03	5.541E+03	5.810E+03
42	5.093E+03	5.350E+03	5.615E+03
43	4.913E+03	5.167E+03	5.428E+03
44	4.741E+03	4.991E+03	5.249E+03
45	4.575E+03	4.821E+03	5.076E+03
46	4.417E+03	4.659E+03	4.910E+03
47	4.264E+03	4.503E+03	4.750E+03
48	4.118E+03	4.352E+03	4.596E+03
49	3.977E+03	4.208E+03	4.448E+03
50	3.842E+03	4.069E+03	4.306E+03

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	3.842E+03	4.069E+03	4.306E+03
51	3.713E+03	3.936E+03	4.169E+03
52	3.588E+03	3.807E+03	4.037E+03
53	3.468E+03	3.684E+03	3.910E+03
54	3.353E+03	3.565E+03	3.787E+03
55	3.242E+03	3.451E+03	3.669E+03
56	3.136E+03	3.340E+03	3.555E+03
57	3.033E+03	3.234E+03	3.446E+03
58	2.935E+03	3.132E+03	3.340E+03
59	2.840E+03	3.034E+03	3.238E+03
60	2.748E+03	2.939E+03	3.140E+03
61	2.661E+03	2.848E+03	3.046E+03
62	2.576E+03	2.760E+03	2.954E+03
63	2.495E+03	2.675E+03	2.866E+03
64	2.416E+03	2.594E+03	2.781E+03
65	2.341E+03	2.515E+03	2.699E+03
66	2.268E+03	2.439E+03	2.620E+03
67	2.198E+03	2.365E+03	2.544E+03
68	2.130E+03	2.295E+03	2.470E+03
69	2.065E+03	2.226E+03	2.398E+03
70	2.002E+03	2.160E+03	2.329E+03
71	1.941E+03	2.096E+03	2.262E+03
72	1.882E+03	2.035E+03	2.198E+03
73	1.826E+03	1.975E+03	2.135E+03
74	1.771E+03	1.918E+03	2.075E+03
75	1.718E+03	1.862E+03	2.017E+03
76	1.667E+03	1.809E+03	1.960E+03
77	1.618E+03	1.757E+03	1.906E+03
78	1.570E+03	1.707E+03	1.853E+03
79	1.525E+03	1.658E+03	1.802E+03
80	1.480E+03	1.611E+03	1.752E+03
81	1.437E+03	1.566E+03	1.704E+03
82	1.396E+03	1.522E+03	1.658E+03
83	1.356E+03	1.479E+03	1.613E+03
84	1.317E+03	1.438E+03	1.569E+03
85	1.280E+03	1.398E+03	1.527E+03
86	1.243E+03	1.360E+03	1.486E+03
87	1.208E+03	1.323E+03	1.447E+03
88	1.174E+03	1.287E+03	1.408E+03
89	1.142E+03	1.252E+03	1.371E+03
90	1.110E+03	1.218E+03	1.335E+03
91	1.080E+03	1.185E+03	1.301E+03
92	1.050E+03	1.154E+03	1.267E+03
93	1.021E+03	1.123E+03	1.235E+03
94	9.936E+02	1.094E+03	1.203E+03
95	9.668E+02	1.065E+03	1.172E+03
96	9.407E+02	1.037E+03	1.142E+03
97	9.154E+02	1.010E+03	1.113E+03
98	8.909E+02	9.837E+02	1.085E+03
99	8.671E+02	9.581E+02	1.058E+03
100	8.441E+02	9.333E+02	1.031E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	8.441E+02	9.333E+02	1.031E+03
101	8.215E+02	9.091E+02	1.005E+03
102	7.997E+02	8.856E+02	9.799E+02
103	7.786E+02	8.628E+02	9.554E+02
104	7.581E+02	8.407E+02	9.316E+02
105	7.382E+02	8.193E+02	9.084E+02
106	7.189E+02	7.985E+02	8.860E+02
107	7.002E+02	7.783E+02	8.642E+02
108	6.821E+02	7.586E+02	8.430E+02
109	6.645E+02	7.396E+02	8.225E+02
110	6.474E+02	7.211E+02	8.025E+02
111	6.308E+02	7.031E+02	7.829E+02
112	6.146E+02	6.856E+02	7.640E+02
113	5.990E+02	6.686E+02	7.456E+02
114	5.838E+02	6.521E+02	7.277E+02
115	5.691E+02	6.361E+02	7.104E+02
116	5.548E+02	6.206E+02	6.935E+02
117	5.410E+02	6.055E+02	6.771E+02
118	5.276E+02	5.909E+02	6.613E+02
119	5.146E+02	5.767E+02	6.458E+02
120	5.020E+02	5.630E+02	6.308E+02
121	4.900E+02	5.500E+02	6.167E+02
122	4.784E+02	5.373E+02	6.028E+02
123	4.671E+02	5.249E+02	5.893E+02
124	4.560E+02	5.127E+02	5.761E+02
125	4.451E+02	5.009E+02	5.631E+02
126	4.345E+02	4.893E+02	5.504E+02
127	4.242E+02	4.779E+02	5.380E+02
128	4.140E+02	4.668E+02	5.258E+02
129	4.041E+02	4.559E+02	5.139E+02
130	3.944E+02	4.453E+02	5.023E+02
131	3.847E+02	4.345E+02	4.904E+02
132	3.751E+02	4.241E+02	4.789E+02
133	3.659E+02	4.139E+02	4.677E+02
134	3.570E+02	4.040E+02	4.569E+02
135	3.483E+02	3.945E+02	4.463E+02
136	3.399E+02	3.852E+02	4.361E+02
137	3.317E+02	3.761E+02	4.261E+02
138	3.238E+02	3.674E+02	4.165E+02
139	3.161E+02	3.589E+02	4.071E+02
140	3.086E+02	3.506E+02	3.979E+02
141	3.015E+02	3.427E+02	3.892E+02
142	2.945E+02	3.350E+02	3.807E+02
143	2.878E+02	3.275E+02	3.724E+02
144	2.812E+02	3.202E+02	3.643E+02
145	2.747E+02	3.130E+02	3.564E+02
146	2.685E+02	3.061E+02	3.486E+02
147	2.624E+02	2.993E+02	3.411E+02
148	2.564E+02	2.927E+02	3.338E+02
149	2.506E+02	2.862E+02	3.266E+02
150	2.450E+02	2.799E+02	3.196E+02