

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-2S151J [R, B]

RESISTANCE (at25°C)	150 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	2750 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.572E+003	1.787E+003	2.027E+003
-39	1.501E+003	1.704E+003	1.930E+003
-38	1.433E+003	1.625E+003	1.837E+003
-37	1.369E+003	1.550E+003	1.750E+003
-36	1.309E+003	1.479E+003	1.668E+003
-35	1.251E+003	1.412E+003	1.590E+003
-34	1.197E+003	1.349E+003	1.517E+003
-33	1.145E+003	1.289E+003	1.447E+003
-32	1.096E+003	1.232E+003	1.381E+003
-31	1.050E+003	1.178E+003	1.319E+003
-30	1.006E+003	1.127E+003	1.260E+003
-29	9.635E+002	1.078E+003	1.204E+003
-28	9.234E+002	1.032E+003	1.150E+003
-27	8.854E+002	9.881E+002	1.100E+003
-26	8.492E+002	9.464E+002	1.052E+003
-25	8.148E+002	9.068E+002	1.007E+003
-24	7.820E+002	8.692E+002	9.637E+002
-23	7.508E+002	8.334E+002	9.228E+002
-22	7.211E+002	7.993E+002	8.839E+002
-21	6.927E+002	7.669E+002	8.470E+002
-20	6.657E+002	7.361E+002	8.118E+002
-19	6.400E+002	7.068E+002	7.785E+002
-18	6.155E+002	6.788E+002	7.468E+002
-17	5.921E+002	6.521E+002	7.165E+002
-16	5.697E+002	6.267E+002	6.877E+002
-15	5.482E+002	6.024E+002	6.602E+002
-14	5.278E+002	5.792E+002	6.340E+002
-13	5.082E+002	5.570E+002	6.090E+002
-12	4.895E+002	5.358E+002	5.851E+002
-11	4.716E+002	5.156E+002	5.623E+002
-10	4.544E+002	4.962E+002	5.406E+002
-9	4.380E+002	4.777E+002	5.198E+002
-8	4.222E+002	4.600E+002	4.999E+002
-7	4.072E+002	4.431E+002	4.810E+002
-6	3.927E+002	4.269E+002	4.628E+002
-5	3.789E+002	4.114E+002	4.455E+002
-4	3.656E+002	3.965E+002	4.289E+002
-3	3.529E+002	3.823E+002	4.131E+002
-2	3.407E+002	3.686E+002	3.979E+002
-1	3.290E+002	3.556E+002	3.834E+002
0	3.178E+002	3.431E+002	3.695E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	3.178E+002	3.431E+002	3.695E+002
1	3.070E+002	3.311E+002	3.562E+002
2	2.967E+002	3.196E+002	3.434E+002
3	2.867E+002	3.085E+002	3.312E+002
4	2.772E+002	2.979E+002	3.195E+002
5	2.680E+002	2.878E+002	3.082E+002
6	2.592E+002	2.780E+002	2.975E+002
7	2.507E+002	2.687E+002	2.871E+002
8	2.426E+002	2.596E+002	2.772E+002
9	2.347E+002	2.510E+002	2.677E+002
10	2.272E+002	2.427E+002	2.586E+002
11	2.199E+002	2.347E+002	2.498E+002
12	2.130E+002	2.270E+002	2.414E+002
13	2.063E+002	2.196E+002	2.333E+002
14	1.998E+002	2.125E+002	2.255E+002
15	1.936E+002	2.057E+002	2.181E+002
16	1.876E+002	1.991E+002	2.109E+002
17	1.818E+002	1.928E+002	2.040E+002
18	1.762E+002	1.867E+002	1.974E+002
19	1.709E+002	1.809E+002	1.910E+002
20	1.657E+002	1.752E+002	1.849E+002
21	1.607E+002	1.698E+002	1.790E+002
22	1.559E+002	1.646E+002	1.733E+002
23	1.513E+002	1.595E+002	1.678E+002
24	1.468E+002	1.547E+002	1.626E+002
25	1.425E+002	1.500E+002	1.575E+002
26	1.381E+002	1.455E+002	1.529E+002
27	1.338E+002	1.411E+002	1.485E+002
28	1.297E+002	1.369E+002	1.442E+002
29	1.258E+002	1.329E+002	1.400E+002
30	1.220E+002	1.290E+002	1.361E+002
31	1.183E+002	1.252E+002	1.322E+002
32	1.148E+002	1.216E+002	1.285E+002
33	1.113E+002	1.181E+002	1.249E+002
34	1.080E+002	1.147E+002	1.214E+002
35	1.049E+002	1.114E+002	1.180E+002
36	1.018E+002	1.082E+002	1.148E+002
37	9.884E+001	1.052E+002	1.116E+002
38	9.598E+001	1.022E+002	1.086E+002
39	9.322E+001	9.935E+001	1.056E+002
40	9.055E+001	9.659E+001	1.028E+002

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	9.055E+001	9.659E+001	1.028E+002
41	8.797E+001	9.391E+001	1.000E+002
42	8.548E+001	9.133E+001	9.734E+001
43	8.307E+001	8.883E+001	9.475E+001
44	8.074E+001	8.641E+001	9.225E+001
45	7.850E+001	8.408E+001	8.983E+001
46	7.632E+001	8.182E+001	8.749E+001
47	7.422E+001	7.963E+001	8.522E+001
48	7.219E+001	7.751E+001	8.302E+001
49	7.023E+001	7.547E+001	8.089E+001
50	6.833E+001	7.348E+001	7.883E+001
51	6.650E+001	7.157E+001	7.684E+001
52	6.473E+001	6.972E+001	7.491E+001
53	6.301E+001	6.792E+001	7.303E+001
54	6.135E+001	6.619E+001	7.122E+001
55	5.974E+001	6.450E+001	6.946E+001
56	5.819E+001	6.287E+001	6.775E+001
57	5.668E+001	6.128E+001	6.610E+001
58	5.522E+001	5.975E+001	6.449E+001
59	5.380E+001	5.826E+001	6.293E+001
60	5.243E+001	5.682E+001	6.142E+001
61	5.110E+001	5.542E+001	5.995E+001
62	4.981E+001	5.406E+001	5.852E+001
63	4.856E+001	5.274E+001	5.713E+001
64	4.734E+001	5.146E+001	5.579E+001
65	4.617E+001	5.021E+001	5.448E+001
66	4.503E+001	4.901E+001	5.321E+001
67	4.392E+001	4.784E+001	5.198E+001
68	4.285E+001	4.670E+001	5.078E+001
69	4.181E+001	4.560E+001	4.962E+001
70	4.080E+001	4.453E+001	4.849E+001
71	3.982E+001	4.350E+001	4.740E+001
72	3.888E+001	4.249E+001	4.633E+001
73	3.796E+001	4.152E+001	4.530E+001
74	3.706E+001	4.057E+001	4.429E+001
75	3.619E+001	3.964E+001	4.331E+001
76	3.535E+001	3.874E+001	4.236E+001
77	3.453E+001	3.787E+001	4.143E+001
78	3.373E+001	3.702E+001	4.053E+001
79	3.295E+001	3.619E+001	3.965E+001
80	3.220E+001	3.539E+001	3.879E+001

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	3.220E+001	3.539E+001	3.879E+001
81	3.146E+001	3.460E+001	3.795E+001
82	3.074E+001	3.383E+001	3.713E+001
83	3.004E+001	3.308E+001	3.634E+001
84	2.937E+001	3.236E+001	3.557E+001
85	2.871E+001	3.165E+001	3.481E+001
86	2.807E+001	3.097E+001	3.408E+001
87	2.745E+001	3.030E+001	3.337E+001
88	2.684E+001	2.965E+001	3.267E+001
89	2.625E+001	2.902E+001	3.200E+001
90	2.568E+001	2.840E+001	3.134E+001
91	2.512E+001	2.781E+001	3.070E+001
92	2.459E+001	2.723E+001	3.008E+001
93	2.406E+001	2.666E+001	2.947E+001
94	2.355E+001	2.611E+001	2.888E+001
95	2.305E+001	2.557E+001	2.830E+001
96	2.256E+001	2.505E+001	2.774E+001
97	2.209E+001	2.454E+001	2.719E+001
98	2.163E+001	2.404E+001	2.666E+001
99	2.118E+001	2.356E+001	2.614E+001
100	2.075E+001	2.309E+001	2.563E+001
101	2.032E+001	2.263E+001	2.513E+001
102	1.990E+001	2.218E+001	2.465E+001
103	1.950E+001	2.174E+001	2.417E+001
104	1.911E+001	2.131E+001	2.371E+001
105	1.872E+001	2.089E+001	2.326E+001
106	1.835E+001	2.049E+001	2.282E+001
107	1.798E+001	2.009E+001	2.239E+001
108	1.762E+001	1.970E+001	2.197E+001
109	1.728E+001	1.932E+001	2.156E+001
110	1.694E+001	1.896E+001	2.116E+001
111	1.660E+001	1.860E+001	2.077E+001
112	1.628E+001	1.824E+001	2.039E+001
113	1.597E+001	1.790E+001	2.002E+001
114	1.566E+001	1.757E+001	1.965E+001
115	1.536E+001	1.724E+001	1.930E+001
116	1.506E+001	1.692E+001	1.895E+001
117	1.478E+001	1.661E+001	1.861E+001
118	1.450E+001	1.630E+001	1.828E+001
119	1.423E+001	1.600E+001	1.795E+001
120	1.396E+001	1.571E+001	1.764E+001
121	1.370E+001	1.543E+001	1.733E+001
122	1.344E+001	1.515E+001	1.702E+001
123	1.320E+001	1.488E+001	1.673E+001
124	1.295E+001	1.461E+001	1.644E+001
125	1.272E+001	1.435E+001	1.615E+001