

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-2S300J [R, B]

RESISTANCE (at25°C)	30 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	2750 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	3.144E+002	3.575E+002	4.055E+002
-39	3.002E+002	3.408E+002	3.859E+002
-38	2.867E+002	3.250E+002	3.675E+002
-37	2.739E+002	3.100E+002	3.501E+002
-36	2.618E+002	2.959E+002	3.336E+002
-35	2.503E+002	2.825E+002	3.180E+002
-34	2.394E+002	2.698E+002	3.033E+002
-33	2.291E+002	2.578E+002	2.894E+002
-32	2.193E+002	2.464E+002	2.762E+002
-31	2.100E+002	2.356E+002	2.637E+002
-30	2.011E+002	2.254E+002	2.519E+002
-29	1.927E+002	2.156E+002	2.407E+002
-28	1.847E+002	2.064E+002	2.301E+002
-27	1.771E+002	1.976E+002	2.200E+002
-26	1.698E+002	1.893E+002	2.104E+002
-25	1.630E+002	1.814E+002	2.014E+002
-24	1.564E+002	1.738E+002	1.927E+002
-23	1.502E+002	1.667E+002	1.846E+002
-22	1.442E+002	1.599E+002	1.768E+002
-21	1.385E+002	1.534E+002	1.694E+002
-20	1.331E+002	1.472E+002	1.624E+002
-19	1.280E+002	1.414E+002	1.557E+002
-18	1.231E+002	1.358E+002	1.494E+002
-17	1.184E+002	1.304E+002	1.433E+002
-16	1.139E+002	1.253E+002	1.375E+002
-15	1.096E+002	1.205E+002	1.320E+002
-14	1.056E+002	1.158E+002	1.268E+002
-13	1.016E+002	1.114E+002	1.218E+002
-12	9.789E+001	1.072E+002	1.170E+002
-11	9.431E+001	1.031E+002	1.125E+002
-10	9.088E+001	9.925E+001	1.081E+002
-9	8.759E+001	9.555E+001	1.040E+002
-8	8.445E+001	9.200E+001	9.999E+001
-7	8.143E+001	8.862E+001	9.620E+001
-6	7.854E+001	8.537E+001	9.257E+001
-5	7.578E+001	8.227E+001	8.910E+001
-4	7.312E+001	7.930E+001	8.579E+001
-3	7.058E+001	7.646E+001	8.261E+001
-2	6.814E+001	7.373E+001	7.958E+001
-1	6.580E+001	7.112E+001	7.667E+001
0	6.355E+001	6.861E+001	7.389E+001

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	6.355E+001	6.861E+001	7.389E+001
1	6.140E+001	6.622E+001	7.123E+001
2	5.933E+001	6.392E+001	6.868E+001
3	5.734E+001	6.171E+001	6.624E+001
4	5.544E+001	5.959E+001	6.389E+001
5	5.360E+001	5.756E+001	6.165E+001
6	5.184E+001	5.560E+001	5.949E+001
7	5.014E+001	5.373E+001	5.743E+001
8	4.851E+001	5.193E+001	5.545E+001
9	4.695E+001	5.020E+001	5.354E+001
10	4.544E+001	4.854E+001	5.172E+001
11	4.399E+001	4.694E+001	4.996E+001
12	4.259E+001	4.541E+001	4.828E+001
13	4.125E+001	4.393E+001	4.666E+001
14	3.996E+001	4.251E+001	4.511E+001
15	3.871E+001	4.114E+001	4.362E+001
16	3.751E+001	3.983E+001	4.218E+001
17	3.636E+001	3.857E+001	4.080E+001
18	3.525E+001	3.735E+001	3.948E+001
19	3.417E+001	3.618E+001	3.820E+001
20	3.314E+001	3.505E+001	3.698E+001
21	3.214E+001	3.396E+001	3.579E+001
22	3.118E+001	3.292E+001	3.466E+001
23	3.026E+001	3.191E+001	3.357E+001
24	2.936E+001	3.094E+001	3.251E+001
25	2.850E+001	3.000E+001	3.150E+001
26	2.762E+001	2.910E+001	3.058E+001
27	2.677E+001	2.823E+001	2.969E+001
28	2.595E+001	2.739E+001	2.884E+001
29	2.516E+001	2.658E+001	2.801E+001
30	2.439E+001	2.580E+001	2.721E+001
31	2.366E+001	2.504E+001	2.644E+001
32	2.295E+001	2.431E+001	2.569E+001
33	2.227E+001	2.361E+001	2.497E+001
34	2.161E+001	2.293E+001	2.428E+001
35	2.097E+001	2.228E+001	2.360E+001
36	2.036E+001	2.164E+001	2.295E+001
37	1.977E+001	2.103E+001	2.232E+001
38	1.920E+001	2.044E+001	2.171E+001
39	1.864E+001	1.987E+001	2.112E+001
40	1.811E+001	1.932E+001	2.055E+001

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T (°C)	R _{min} (Ω)	R _{nom} (Ω)	R _{max} (Ω)
40	1.811E+001	1.932E+001	2.055E+001
41	1.759E+001	1.878E+001	2.000E+001
42	1.710E+001	1.827E+001	1.947E+001
43	1.661E+001	1.777E+001	1.895E+001
44	1.615E+001	1.728E+001	1.845E+001
45	1.570E+001	1.682E+001	1.797E+001
46	1.526E+001	1.636E+001	1.750E+001
47	1.484E+001	1.593E+001	1.704E+001
48	1.444E+001	1.550E+001	1.660E+001
49	1.405E+001	1.509E+001	1.618E+001
50	1.367E+001	1.470E+001	1.577E+001
51	1.330E+001	1.431E+001	1.537E+001
52	1.295E+001	1.394E+001	1.498E+001
53	1.260E+001	1.358E+001	1.461E+001
54	1.227E+001	1.324E+001	1.424E+001
55	1.195E+001	1.290E+001	1.389E+001
56	1.164E+001	1.257E+001	1.355E+001
57	1.134E+001	1.226E+001	1.322E+001
58	1.104E+001	1.195E+001	1.290E+001
59	1.076E+001	1.165E+001	1.259E+001
60	1.049E+001	1.136E+001	1.228E+001
61	1.022E+001	1.108E+001	1.199E+001
62	9.962E+000	1.081E+001	1.170E+001
63	9.711E+000	1.055E+001	1.143E+001
64	9.469E+000	1.029E+001	1.116E+001
65	9.234E+000	1.004E+001	1.090E+001
66	9.005E+000	9.802E+000	1.064E+001
67	8.784E+000	9.568E+000	1.040E+001
68	8.570E+000	9.341E+000	1.016E+001
69	8.362E+000	9.121E+000	9.924E+000
70	8.160E+000	8.907E+000	9.698E+000
71	7.965E+000	8.700E+000	9.479E+000
72	7.775E+000	8.499E+000	9.266E+000
73	7.591E+000	8.303E+000	9.060E+000
74	7.412E+000	8.113E+000	8.858E+000
75	7.239E+000	7.929E+000	8.662E+000
76	7.070E+000	7.749E+000	8.472E+000
77	6.906E+000	7.574E+000	8.286E+000
78	6.746E+000	7.404E+000	8.106E+000
79	6.591E+000	7.238E+000	7.930E+000
80	6.440E+000	7.077E+000	7.758E+000

T (°C)	R _{min} (Ω)	R _{nom} (Ω)	R _{max} (Ω)
80	6.440E+000	7.077E+000	7.758E+000
81	6.292E+000	6.919E+000	7.590E+000
82	6.148E+000	6.766E+000	7.427E+000
83	6.009E+000	6.617E+000	7.268E+000
84	5.873E+000	6.472E+000	7.113E+000
85	5.742E+000	6.331E+000	6.963E+000
86	5.614E+000	6.193E+000	6.816E+000
87	5.489E+000	6.060E+000	6.673E+000
88	5.368E+000	5.930E+000	6.534E+000
89	5.250E+000	5.804E+000	6.399E+000
90	5.136E+000	5.681E+000	6.268E+000
91	5.025E+000	5.562E+000	6.140E+000
92	4.917E+000	5.445E+000	6.015E+000
93	4.812E+000	5.332E+000	5.894E+000
94	4.710E+000	5.222E+000	5.776E+000
95	4.610E+000	5.115E+000	5.661E+000
96	4.513E+000	5.010E+000	5.548E+000
97	4.418E+000	4.908E+000	5.439E+000
98	4.326E+000	4.809E+000	5.332E+000
99	4.237E+000	4.712E+000	5.227E+000
100	4.149E+000	4.617E+000	5.125E+000
101	4.064E+000	4.525E+000	5.026E+000
102	3.981E+000	4.435E+000	4.929E+000
103	3.900E+000	4.348E+000	4.835E+000
104	3.821E+000	4.262E+000	4.742E+000
105	3.744E+000	4.179E+000	4.652E+000
106	3.669E+000	4.097E+000	4.564E+000
107	3.596E+000	4.018E+000	4.478E+000
108	3.525E+000	3.941E+000	4.395E+000
109	3.455E+000	3.865E+000	4.313E+000
110	3.387E+000	3.791E+000	4.233E+000
111	3.321E+000	3.719E+000	4.155E+000
112	3.256E+000	3.649E+000	4.078E+000
113	3.193E+000	3.580E+000	4.004E+000
114	3.132E+000	3.513E+000	3.931E+000
115	3.072E+000	3.448E+000	3.860E+000
116	3.013E+000	3.384E+000	3.790E+000
117	2.956E+000	3.321E+000	3.722E+000
118	2.900E+000	3.260E+000	3.656E+000
119	2.845E+000	3.200E+000	3.591E+000
120	2.792E+000	3.142E+000	3.527E+000
121	2.740E+000	3.085E+000	3.465E+000
122	2.689E+000	3.029E+000	3.404E+000
123	2.639E+000	2.975E+000	3.345E+000
124	2.591E+000	2.922E+000	3.287E+000
125	2.543E+000	2.870E+000	3.230E+000