

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-4C202J [R, B]

RESISTANCE (at 25°C)	2000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	4100 K	B-TOLERANCE (±)	3 %

T (°C)	R _{min} (Ω)	R _{nom} (Ω)	R _{max} (Ω)
-40	8.205E+004	9.690E+004	1.141E+005
-39	7.632E+004	8.992E+004	1.057E+005
-38	7.102E+004	8.349E+004	9.791E+004
-37	6.612E+004	7.756E+004	9.075E+004
-36	6.159E+004	7.208E+004	8.416E+004
-35	5.739E+004	6.703E+004	7.809E+004
-34	5.351E+004	6.236E+004	7.250E+004
-33	4.992E+004	5.805E+004	6.734E+004
-32	4.659E+004	5.406E+004	6.258E+004
-31	4.350E+004	5.037E+004	5.818E+004
-30	4.063E+004	4.696E+004	5.413E+004
-29	3.797E+004	4.378E+004	5.036E+004
-28	3.549E+004	4.085E+004	4.689E+004
-27	3.320E+004	3.813E+004	4.368E+004
-26	3.107E+004	3.561E+004	4.072E+004
-25	2.909E+004	3.328E+004	3.797E+004
-24	2.726E+004	3.111E+004	3.543E+004
-23	2.555E+004	2.911E+004	3.308E+004
-22	2.396E+004	2.724E+004	3.090E+004
-21	2.248E+004	2.551E+004	2.888E+004
-20	2.110E+004	2.390E+004	2.701E+004
-19	1.982E+004	2.241E+004	2.527E+004
-18	1.862E+004	2.101E+004	2.365E+004
-17	1.751E+004	1.972E+004	2.215E+004
-16	1.647E+004	1.851E+004	2.076E+004
-15	1.550E+004	1.739E+004	1.946E+004
-14	1.459E+004	1.634E+004	1.825E+004
-13	1.374E+004	1.536E+004	1.713E+004
-12	1.295E+004	1.445E+004	1.608E+004
-11	1.220E+004	1.360E+004	1.511E+004
-10	1.151E+004	1.280E+004	1.420E+004
-9	1.086E+004	1.206E+004	1.335E+004
-8	1.025E+004	1.136E+004	1.256E+004
-7	9.682E+003	1.071E+004	1.182E+004
-6	9.147E+003	1.010E+004	1.113E+004
-5	8.645E+003	9.530E+003	1.048E+004
-4	8.174E+003	8.995E+003	9.874E+003
-3	7.732E+003	8.494E+003	9.308E+003
-2	7.316E+003	8.024E+003	8.779E+003
-1	6.926E+003	7.583E+003	8.283E+003
0	6.559E+003	7.170E+003	7.818E+003

T (°C)	R _{min} (Ω)	R _{nom} (Ω)	R _{max} (Ω)
0	6.559E+003	7.170E+003	7.818E+003
1	6.214E+003	6.781E+003	7.382E+003
2	5.889E+003	6.416E+003	6.974E+003
3	5.583E+003	6.074E+003	6.590E+003
4	5.296E+003	5.751E+003	6.231E+003
5	5.025E+003	5.449E+003	5.893E+003
6	4.770E+003	5.164E+003	5.576E+003
7	4.529E+003	4.896E+003	5.278E+003
8	4.302E+003	4.643E+003	4.998E+003
9	4.088E+003	4.405E+003	4.735E+003
10	3.887E+003	4.182E+003	4.488E+003
11	3.696E+003	3.970E+003	4.255E+003
12	3.516E+003	3.771E+003	4.035E+003
13	3.346E+003	3.584E+003	3.829E+003
14	3.186E+003	3.407E+003	3.634E+003
15	3.034E+003	3.240E+003	3.451E+003
16	2.891E+003	3.082E+003	3.278E+003
17	2.755E+003	2.933E+003	3.115E+003
18	2.627E+003	2.793E+003	2.962E+003
19	2.506E+003	2.660E+003	2.817E+003
20	2.391E+003	2.534E+003	2.680E+003
21	2.282E+003	2.415E+003	2.550E+003
22	2.179E+003	2.303E+003	2.428E+003
23	2.081E+003	2.196E+003	2.313E+003
24	1.988E+003	2.096E+003	2.203E+003
25	1.900E+003	2.000E+003	2.100E+003
26	1.811E+003	1.909E+003	2.008E+003
27	1.728E+003	1.824E+003	1.920E+003
28	1.648E+003	1.742E+003	1.837E+003
29	1.573E+003	1.665E+003	1.758E+003
30	1.502E+003	1.592E+003	1.683E+003
31	1.434E+003	1.522E+003	1.611E+003
32	1.370E+003	1.456E+003	1.544E+003
33	1.310E+003	1.393E+003	1.479E+003
34	1.252E+003	1.334E+003	1.418E+003
35	1.197E+003	1.277E+003	1.359E+003
36	1.145E+003	1.223E+003	1.303E+003
37	1.096E+003	1.172E+003	1.250E+003
38	1.049E+003	1.123E+003	1.200E+003
39	1.004E+003	1.077E+003	1.152E+003
40	9.619E+002	1.033E+003	1.106E+003

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	9.619E+002	1.033E+003	1.106E+003
41	9.215E+002	9.906E+002	1.062E+003
42	8.832E+002	9.506E+002	1.021E+003
43	8.466E+002	9.124E+002	9.807E+002
44	8.118E+002	8.760E+002	9.428E+002
45	7.787E+002	8.412E+002	9.065E+002
46	7.472E+002	8.081E+002	8.719E+002
47	7.171E+002	7.766E+002	8.388E+002
48	6.885E+002	7.464E+002	8.073E+002
49	6.612E+002	7.177E+002	7.771E+002
50	6.351E+002	6.902E+002	7.483E+002
51	6.103E+002	6.641E+002	7.207E+002
52	5.867E+002	6.391E+002	6.944E+002
53	5.641E+002	6.152E+002	6.692E+002
54	5.425E+002	5.923E+002	6.451E+002
55	5.219E+002	5.704E+002	6.220E+002
56	5.022E+002	5.495E+002	5.999E+002
57	4.833E+002	5.295E+002	5.787E+002
58	4.653E+002	5.104E+002	5.584E+002
59	4.481E+002	4.920E+002	5.389E+002
60	4.316E+002	4.745E+002	5.203E+002
61	4.159E+002	4.576E+002	5.024E+002
62	4.008E+002	4.415E+002	4.852E+002
63	3.863E+002	4.261E+002	4.687E+002
64	3.725E+002	4.113E+002	4.529E+002
65	3.592E+002	3.970E+002	4.377E+002
66	3.465E+002	3.834E+002	4.232E+002
67	3.343E+002	3.703E+002	4.092E+002
68	3.227E+002	3.578E+002	3.957E+002
69	3.115E+002	3.457E+002	3.828E+002
70	3.007E+002	3.342E+002	3.704E+002
71	2.904E+002	3.230E+002	3.584E+002
72	2.805E+002	3.123E+002	3.469E+002
73	2.710E+002	3.021E+002	3.358E+002
74	2.619E+002	2.922E+002	3.252E+002
75	2.531E+002	2.827E+002	3.150E+002
76	2.447E+002	2.736E+002	3.051E+002
77	2.366E+002	2.648E+002	2.957E+002
78	2.289E+002	2.564E+002	2.865E+002
79	2.214E+002	2.483E+002	2.777E+002
80	2.143E+002	2.405E+002	2.693E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	2.143E+002	2.405E+002	2.693E+002
81	2.074E+002	2.330E+002	2.612E+002
82	2.008E+002	2.258E+002	2.533E+002
83	1.944E+002	2.189E+002	2.458E+002
84	1.883E+002	2.122E+002	2.385E+002
85	1.824E+002	2.057E+002	2.315E+002
86	1.767E+002	1.995E+002	2.247E+002
87	1.712E+002	1.935E+002	2.182E+002
88	1.660E+002	1.877E+002	2.118E+002
89	1.609E+002	1.822E+002	2.057E+002
90	1.560E+002	1.768E+002	1.999E+002
91	1.512E+002	1.716E+002	1.941E+002
92	1.467E+002	1.665E+002	1.886E+002
93	1.423E+002	1.617E+002	1.833E+002
94	1.380E+002	1.570E+002	1.781E+002
95	1.339E+002	1.525E+002	1.732E+002
96	1.300E+002	1.481E+002	1.684E+002
97	1.262E+002	1.439E+002	1.637E+002
98	1.225E+002	1.399E+002	1.593E+002
99	1.190E+002	1.360E+002	1.550E+002
100	1.156E+002	1.322E+002	1.508E+002
101	1.123E+002	1.286E+002	1.468E+002
102	1.092E+002	1.251E+002	1.429E+002
103	1.061E+002	1.217E+002	1.392E+002
104	1.032E+002	1.184E+002	1.355E+002
105	1.003E+002	1.152E+002	1.320E+002
106	9.757E+001	1.122E+002	1.286E+002
107	9.490E+001	1.092E+002	1.253E+002
108	9.232E+001	1.063E+002	1.221E+002
109	8.983E+001	1.035E+002	1.190E+002
110	8.741E+001	1.008E+002	1.160E+002
111	8.507E+001	9.821E+001	1.131E+002
112	8.280E+001	9.567E+001	1.103E+002
113	8.060E+001	9.320E+001	1.075E+002
114	7.847E+001	9.082E+001	1.048E+002
115	7.642E+001	8.851E+001	1.023E+002
116	7.442E+001	8.627E+001	9.976E+001
117	7.249E+001	8.411E+001	9.733E+001
118	7.063E+001	8.201E+001	9.498E+001
119	6.882E+001	7.997E+001	9.270E+001
120	6.706E+001	7.799E+001	9.048E+001
121	6.537E+001	7.608E+001	8.833E+001
122	6.372E+001	7.422E+001	8.624E+001
123	6.213E+001	7.242E+001	8.421E+001
124	6.058E+001	7.068E+001	8.225E+001
125	5.908E+001	6.898E+001	8.034E+001