

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-4C302J [R, B]

RESISTANCE (at25°C)	3000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	4100 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.231E+005	1.453E+005	1.712E+005
-39	1.145E+005	1.349E+005	1.585E+005
-38	1.065E+005	1.252E+005	1.469E+005
-37	9.918E+004	1.163E+005	1.361E+005
-36	9.238E+004	1.081E+005	1.262E+005
-35	8.609E+004	1.005E+005	1.171E+005
-34	8.027E+004	9.354E+004	1.087E+005
-33	7.487E+004	8.707E+004	1.010E+005
-32	6.988E+004	8.109E+004	9.387E+004
-31	6.525E+004	7.556E+004	8.728E+004
-30	6.095E+004	7.043E+004	8.119E+004
-29	5.695E+004	6.567E+004	7.555E+004
-28	5.324E+004	6.127E+004	7.034E+004
-27	4.980E+004	5.719E+004	6.552E+004
-26	4.661E+004	5.342E+004	6.107E+004
-25	4.364E+004	4.992E+004	5.696E+004
-24	4.088E+004	4.667E+004	5.315E+004
-23	3.832E+004	4.366E+004	4.962E+004
-22	3.594E+004	4.086E+004	4.635E+004
-21	3.372E+004	3.827E+004	4.332E+004
-20	3.165E+004	3.585E+004	4.051E+004
-19	2.973E+004	3.361E+004	3.790E+004
-18	2.793E+004	3.152E+004	3.548E+004
-17	2.626E+004	2.958E+004	3.323E+004
-16	2.470E+004	2.777E+004	3.114E+004
-15	2.324E+004	2.608E+004	2.919E+004
-14	2.188E+004	2.451E+004	2.738E+004
-13	2.061E+004	2.304E+004	2.570E+004
-12	1.942E+004	2.167E+004	2.412E+004
-11	1.831E+004	2.039E+004	2.266E+004
-10	1.726E+004	1.920E+004	2.130E+004
-9	1.629E+004	1.808E+004	2.002E+004
-8	1.538E+004	1.704E+004	1.884E+004
-7	1.452E+004	1.606E+004	1.773E+004
-6	1.372E+004	1.515E+004	1.669E+004
-5	1.297E+004	1.429E+004	1.572E+004
-4	1.226E+004	1.349E+004	1.481E+004
-3	1.160E+004	1.274E+004	1.396E+004
-2	1.097E+004	1.204E+004	1.317E+004
-1	1.039E+004	1.138E+004	1.242E+004
0	9.838E+003	1.075E+004	1.173E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	9.838E+003	1.075E+004	1.173E+004
1	9.320E+003	1.017E+004	1.107E+004
2	8.833E+003	9.625E+003	1.046E+004
3	8.375E+003	9.110E+003	9.885E+003
4	7.944E+003	8.627E+003	9.346E+003
5	7.537E+003	8.173E+003	8.840E+003
6	7.154E+003	7.745E+003	8.364E+003
7	6.794E+003	7.343E+003	7.918E+003
8	6.453E+003	6.965E+003	7.498E+003
9	6.133E+003	6.608E+003	7.103E+003
10	5.830E+003	6.272E+003	6.732E+003
11	5.544E+003	5.956E+003	6.382E+003
12	5.274E+003	5.657E+003	6.053E+003
13	5.019E+003	5.376E+003	5.743E+003
14	4.779E+003	5.110E+003	5.451E+003
15	4.551E+003	4.860E+003	5.176E+003
16	4.336E+003	4.623E+003	4.917E+003
17	4.133E+003	4.400E+003	4.673E+003
18	3.940E+003	4.189E+003	4.442E+003
19	3.758E+003	3.990E+003	4.225E+003
20	3.586E+003	3.801E+003	4.020E+003
21	3.423E+003	3.623E+003	3.826E+003
22	3.268E+003	3.454E+003	3.642E+003
23	3.121E+003	3.295E+003	3.469E+003
24	2.982E+003	3.143E+003	3.305E+003
25	2.850E+003	3.000E+003	3.150E+003
26	2.717E+003	2.864E+003	3.012E+003
27	2.592E+003	2.735E+003	2.880E+003
28	2.473E+003	2.613E+003	2.755E+003
29	2.360E+003	2.498E+003	2.637E+003
30	2.253E+003	2.388E+003	2.524E+003
31	2.152E+003	2.283E+003	2.417E+003
32	2.056E+003	2.184E+003	2.315E+003
33	1.964E+003	2.090E+003	2.218E+003
34	1.878E+003	2.001E+003	2.126E+003
35	1.796E+003	1.916E+003	2.039E+003
36	1.718E+003	1.835E+003	1.955E+003
37	1.644E+003	1.758E+003	1.876E+003
38	1.573E+003	1.685E+003	1.800E+003
39	1.506E+003	1.615E+003	1.728E+003
40	1.443E+003	1.549E+003	1.659E+003

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RESISTANCE (at25°C)	3000 Ω	R-TOLERANCE (±)	5 %
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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	1.443E+003	1.549E+003	1.659E+003
41	1.382E+003	1.486E+003	1.593E+003
42	1.325E+003	1.426E+003	1.531E+003
43	1.270E+003	1.369E+003	1.471E+003
44	1.218E+003	1.314E+003	1.414E+003
45	1.168E+003	1.262E+003	1.360E+003
46	1.121E+003	1.212E+003	1.308E+003
47	1.076E+003	1.165E+003	1.258E+003
48	1.033E+003	1.120E+003	1.211E+003
49	9.918E+002	1.077E+003	1.166E+003
50	9.527E+002	1.035E+003	1.122E+003
51	9.155E+002	9.961E+002	1.081E+003
52	8.800E+002	9.586E+002	1.042E+003
53	8.461E+002	9.227E+002	1.004E+003
54	8.137E+002	8.884E+002	9.676E+002
55	7.828E+002	8.557E+002	9.330E+002
56	7.532E+002	8.243E+002	8.998E+002
57	7.250E+002	7.943E+002	8.680E+002
58	6.980E+002	7.656E+002	8.376E+002
59	6.722E+002	7.380E+002	8.084E+002
60	6.474E+002	7.117E+002	7.804E+002
61	6.238E+002	6.865E+002	7.535E+002
62	6.012E+002	6.623E+002	7.278E+002
63	5.795E+002	6.391E+002	7.031E+002
64	5.587E+002	6.169E+002	6.794E+002
65	5.388E+002	5.956E+002	6.566E+002
66	5.198E+002	5.751E+002	6.348E+002
67	5.015E+002	5.555E+002	6.138E+002
68	4.840E+002	5.367E+002	5.936E+002
69	4.672E+002	5.186E+002	5.742E+002
70	4.511E+002	5.012E+002	5.556E+002
71	4.356E+002	4.845E+002	5.376E+002
72	4.208E+002	4.685E+002	5.204E+002
73	4.065E+002	4.531E+002	5.038E+002
74	3.928E+002	4.383E+002	4.878E+002
75	3.797E+002	4.241E+002	4.725E+002
76	3.671E+002	4.104E+002	4.577E+002
77	3.550E+002	3.973E+002	4.435E+002
78	3.433E+002	3.846E+002	4.298E+002
79	3.321E+002	3.725E+002	4.166E+002
80	3.214E+002	3.608E+002	4.039E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	3.214E+002	3.608E+002	4.039E+002
81	3.111E+002	3.495E+002	3.917E+002
82	3.012E+002	3.387E+002	3.800E+002
83	2.916E+002	3.283E+002	3.687E+002
84	2.824E+002	3.183E+002	3.578E+002
85	2.736E+002	3.086E+002	3.472E+002
86	2.651E+002	2.993E+002	3.370E+002
87	2.569E+002	2.903E+002	3.272E+002
88	2.490E+002	2.816E+002	3.178E+002
89	2.413E+002	2.733E+002	3.086E+002
90	2.340E+002	2.652E+002	2.998E+002
91	2.269E+002	2.573E+002	2.912E+002
92	2.200E+002	2.498E+002	2.829E+002
93	2.134E+002	2.425E+002	2.749E+002
94	2.070E+002	2.355E+002	2.672E+002
95	2.009E+002	2.287E+002	2.597E+002
96	1.950E+002	2.222E+002	2.526E+002
97	1.893E+002	2.159E+002	2.456E+002
98	1.838E+002	2.098E+002	2.389E+002
99	1.785E+002	2.039E+002	2.324E+002
100	1.734E+002	1.983E+002	2.262E+002
101	1.685E+002	1.928E+002	2.202E+002
102	1.637E+002	1.876E+002	2.144E+002
103	1.592E+002	1.825E+002	2.088E+002
104	1.548E+002	1.776E+002	2.033E+002
105	1.505E+002	1.728E+002	1.980E+002
106	1.463E+002	1.682E+002	1.929E+002
107	1.424E+002	1.638E+002	1.880E+002
108	1.385E+002	1.595E+002	1.832E+002
109	1.347E+002	1.553E+002	1.785E+002
110	1.311E+002	1.512E+002	1.740E+002
111	1.276E+002	1.473E+002	1.696E+002
112	1.242E+002	1.435E+002	1.654E+002
113	1.209E+002	1.398E+002	1.613E+002
114	1.177E+002	1.362E+002	1.573E+002
115	1.146E+002	1.328E+002	1.534E+002
116	1.116E+002	1.294E+002	1.496E+002
117	1.087E+002	1.262E+002	1.460E+002
118	1.059E+002	1.230E+002	1.425E+002
119	1.032E+002	1.200E+002	1.390E+002
120	1.006E+002	1.170E+002	1.357E+002
121	9.805E+001	1.141E+002	1.325E+002
122	9.558E+001	1.113E+002	1.294E+002
123	9.319E+001	1.086E+002	1.263E+002
124	9.087E+001	1.060E+002	1.234E+002
125	8.862E+001	1.035E+002	1.205E+002