

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-4V105J[R,B]

RESISTANCE(at25°C)	1000000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50°C)	4900 K	B-TOLERANCE(±)	3 %

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	6.234E+07	7.529E+07	9.070E+07
-39	5.781E+07	6.963E+07	8.366E+07
-38	5.363E+07	6.442E+07	7.720E+07
-37	4.977E+07	5.962E+07	7.126E+07
-36	4.620E+07	5.520E+07	6.580E+07
-35	4.290E+07	5.113E+07	6.078E+07
-34	3.984E+07	4.737E+07	5.617E+07
-33	3.702E+07	4.390E+07	5.192E+07
-32	3.441E+07	4.070E+07	4.802E+07
-31	3.200E+07	3.775E+07	4.442E+07
-30	2.976E+07	3.502E+07	4.111E+07
-29	2.769E+07	3.250E+07	3.806E+07
-28	2.577E+07	3.017E+07	3.525E+07
-27	2.399E+07	2.802E+07	3.265E+07
-26	2.234E+07	2.604E+07	3.027E+07
-25	2.081E+07	2.420E+07	2.806E+07
-24	1.940E+07	2.250E+07	2.603E+07
-23	1.809E+07	2.093E+07	2.415E+07
-22	1.687E+07	1.947E+07	2.242E+07
-21	1.574E+07	1.813E+07	2.082E+07
-20	1.469E+07	1.688E+07	1.935E+07
-19	1.371E+07	1.572E+07	1.798E+07
-18	1.281E+07	1.465E+07	1.672E+07
-17	1.197E+07	1.366E+07	1.555E+07
-16	1.118E+07	1.274E+07	1.447E+07
-15	1.046E+07	1.188E+07	1.347E+07
-14	9.781E+06	1.109E+07	1.254E+07
-13	9.152E+06	1.035E+07	1.168E+07
-12	8.566E+06	9.669E+06	1.089E+07
-11	8.021E+06	9.035E+06	1.015E+07
-10	7.513E+06	8.444E+06	9.468E+06
-9	7.040E+06	7.896E+06	8.834E+06
-8	6.598E+06	7.385E+06	8.245E+06
-7	6.187E+06	6.911E+06	7.699E+06
-6	5.804E+06	6.469E+06	7.192E+06
-5	5.446E+06	6.058E+06	6.721E+06
-4	5.112E+06	5.675E+06	6.283E+06
-3	4.800E+06	5.318E+06	5.877E+06
-2	4.509E+06	4.986E+06	5.498E+06
-1	4.237E+06	4.676E+06	5.146E+06
0	3.983E+06	4.387E+06	4.819E+06

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.983E+06	4.387E+06	4.819E+06
1	3.746E+06	4.117E+06	4.513E+06
2	3.524E+06	3.865E+06	4.229E+06
3	3.316E+06	3.630E+06	3.964E+06
4	3.121E+06	3.411E+06	3.718E+06
5	2.940E+06	3.206E+06	3.488E+06
6	2.769E+06	3.014E+06	3.273E+06
7	2.610E+06	2.835E+06	3.073E+06
8	2.460E+06	2.668E+06	2.886E+06
9	2.320E+06	2.511E+06	2.711E+06
10	2.188E+06	2.364E+06	2.548E+06
11	2.065E+06	2.227E+06	2.396E+06
12	1.949E+06	2.099E+06	2.254E+06
13	1.841E+06	1.978E+06	2.120E+06
14	1.739E+06	1.865E+06	1.996E+06
15	1.643E+06	1.760E+06	1.879E+06
16	1.553E+06	1.660E+06	1.770E+06
17	1.469E+06	1.567E+06	1.668E+06
18	1.389E+06	1.480E+06	1.572E+06
19	1.315E+06	1.398E+06	1.483E+06
20	1.244E+06	1.321E+06	1.399E+06
21	1.178E+06	1.248E+06	1.320E+06
22	1.116E+06	1.181E+06	1.246E+06
23	1.057E+06	1.117E+06	1.176E+06
24	1.002E+06	1.057E+06	1.111E+06
25	9.500E+05	1.000E+06	1.050E+06
26	8.980E+05	9.468E+05	9.958E+05
27	8.491E+05	8.968E+05	9.447E+05
28	8.032E+05	8.496E+05	8.965E+05
29	7.600E+05	8.052E+05	8.510E+05
30	7.194E+05	7.634E+05	8.081E+05
31	6.811E+05	7.240E+05	7.676E+05
32	6.452E+05	6.868E+05	7.294E+05
33	6.113E+05	6.518E+05	6.932E+05
34	5.794E+05	6.187E+05	6.591E+05
35	5.493E+05	5.875E+05	6.268E+05
36	5.209E+05	5.581E+05	5.963E+05
37	4.942E+05	5.303E+05	5.675E+05
38	4.690E+05	5.040E+05	5.402E+05
39	4.453E+05	4.792E+05	5.144E+05
40	4.228E+05	4.557E+05	4.899E+05

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T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.228E+05	4.557E+05	4.899E+05
41	4.016E+05	4.335E+05	4.668E+05
42	3.816E+05	4.126E+05	4.449E+05
43	3.628E+05	3.927E+05	4.241E+05
44	3.449E+05	3.739E+05	4.044E+05
45	3.280E+05	3.562E+05	3.858E+05
46	3.121E+05	3.393E+05	3.681E+05
47	2.970E+05	3.234E+05	3.513E+05
48	2.827E+05	3.083E+05	3.354E+05
49	2.692E+05	2.940E+05	3.202E+05
50	2.564E+05	2.804E+05	3.059E+05
51	2.443E+05	2.676E+05	2.923E+05
52	2.329E+05	2.554E+05	2.793E+05
53	2.220E+05	2.438E+05	2.670E+05
54	2.117E+05	2.328E+05	2.554E+05
55	2.019E+05	2.224E+05	2.443E+05
56	1.927E+05	2.125E+05	2.337E+05
57	1.839E+05	2.031E+05	2.237E+05
58	1.756E+05	1.941E+05	2.141E+05
59	1.677E+05	1.856E+05	2.050E+05
60	1.602E+05	1.776E+05	1.963E+05
61	1.530E+05	1.699E+05	1.881E+05
62	1.463E+05	1.626E+05	1.803E+05
63	1.398E+05	1.556E+05	1.728E+05
64	1.337E+05	1.490E+05	1.657E+05
65	1.279E+05	1.427E+05	1.589E+05
66	1.224E+05	1.367E+05	1.524E+05
67	1.171E+05	1.310E+05	1.462E+05
68	1.121E+05	1.256E+05	1.403E+05
69	1.074E+05	1.204E+05	1.347E+05
70	1.028E+05	1.155E+05	1.293E+05
71	9.851E+04	1.108E+05	1.242E+05
72	9.439E+04	1.063E+05	1.193E+05
73	9.048E+04	1.020E+05	1.147E+05
74	8.675E+04	9.789E+04	1.102E+05
75	8.319E+04	9.399E+04	1.059E+05
76	7.980E+04	9.027E+04	1.019E+05
77	7.656E+04	8.671E+04	9.797E+04
78	7.348E+04	8.332E+04	9.424E+04
79	7.053E+04	8.008E+04	9.068E+04
80	6.772E+04	7.698E+04	8.728E+04

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	6.772E+04	7.698E+04	8.728E+04
81	6.504E+04	7.401E+04	8.402E+04
82	6.248E+04	7.118E+04	8.090E+04
83	6.003E+04	6.848E+04	7.791E+04
84	5.770E+04	6.589E+04	7.505E+04
85	5.546E+04	6.341E+04	7.231E+04
86	5.333E+04	6.104E+04	6.969E+04
87	5.129E+04	5.877E+04	6.718E+04
88	4.934E+04	5.660E+04	6.477E+04
89	4.747E+04	5.452E+04	6.246E+04
90	4.569E+04	5.253E+04	6.024E+04
91	4.398E+04	5.062E+04	5.812E+04
92	4.234E+04	4.879E+04	5.608E+04
93	4.078E+04	4.704E+04	5.413E+04
94	3.928E+04	4.536E+04	5.225E+04
95	3.784E+04	4.375E+04	5.045E+04
96	3.647E+04	4.220E+04	4.872E+04
97	3.515E+04	4.072E+04	4.706E+04
98	3.388E+04	3.930E+04	4.547E+04
99	3.267E+04	3.794E+04	4.393E+04
100	3.151E+04	3.663E+04	4.246E+04
101	3.040E+04	3.537E+04	4.105E+04
102	2.933E+04	3.416E+04	3.969E+04
103	2.831E+04	3.300E+04	3.838E+04
104	2.732E+04	3.189E+04	3.713E+04
105	2.638E+04	3.082E+04	3.592E+04
106	2.547E+04	2.979E+04	3.476E+04
107	2.460E+04	2.880E+04	3.364E+04
108	2.377E+04	2.785E+04	3.256E+04
109	2.296E+04	2.694E+04	3.152E+04
110	2.219E+04	2.606E+04	3.053E+04
111	2.145E+04	2.521E+04	2.956E+04
112	2.074E+04	2.440E+04	2.864E+04
113	2.005E+04	2.362E+04	2.775E+04
114	1.939E+04	2.286E+04	2.689E+04
115	1.876E+04	2.214E+04	2.606E+04
116	1.815E+04	2.144E+04	2.526E+04
117	1.756E+04	2.077E+04	2.449E+04
118	1.700E+04	2.012E+04	2.375E+04
119	1.646E+04	1.949E+04	2.304E+04
120	1.593E+04	1.889E+04	2.235E+04
121	1.543E+04	1.831E+04	2.168E+04
122	1.494E+04	1.775E+04	2.104E+04
123	1.448E+04	1.722E+04	2.042E+04
124	1.403E+04	1.670E+04	1.982E+04
125	1.359E+04	1.619E+04	1.925E+04