

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-2S121J [R, B]

RESISTANCE (at 25°C)	120 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	2750 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.258E+003	1.430E+003	1.622E+003
-39	1.201E+003	1.363E+003	1.544E+003
-38	1.147E+003	1.300E+003	1.470E+003
-37	1.096E+003	1.240E+003	1.400E+003
-36	1.047E+003	1.184E+003	1.334E+003
-35	1.001E+003	1.130E+003	1.272E+003
-34	9.576E+002	1.079E+003	1.213E+003
-33	9.163E+002	1.031E+003	1.158E+003
-32	8.771E+002	9.857E+002	1.105E+003
-31	8.398E+002	9.425E+002	1.055E+003
-30	8.044E+002	9.015E+002	1.008E+003
-29	7.708E+002	8.625E+002	9.628E+002
-28	7.388E+002	8.256E+002	9.203E+002
-27	7.083E+002	7.905E+002	8.800E+002
-26	6.794E+002	7.571E+002	8.417E+002
-25	6.518E+002	7.255E+002	8.054E+002
-24	6.256E+002	6.954E+002	7.710E+002
-23	6.006E+002	6.67E+002	7.382E+002
-22	5.768E+002	6.395E+002	7.071E+002
-21	5.542E+002	6.135E+002	6.776E+002
-20	5.326E+002	5.889E+002	6.495E+002
-19	5.120E+002	5.654E+002	6.228E+002
-18	4.924E+002	5.430E+002	5.974E+002
-17	4.736E+002	5.217E+002	5.732E+002
-16	4.557E+002	5.013E+002	5.502E+002
-15	4.386E+002	4.819E+002	5.282E+002
-14	4.222E+002	4.633E+002	5.072E+002
-13	4.066E+002	4.456E+002	4.872E+002
-12	3.916E+002	4.287E+002	4.681E+002
-11	3.772E+002	4.125E+002	4.499E+002
-10	3.635E+002	3.970E+002	4.325E+002
-9	3.504E+002	3.822E+002	4.158E+002
-8	3.378E+002	3.680E+002	4.000E+002
-7	3.257E+002	3.545E+002	3.848E+002
-6	3.142E+002	3.415E+002	3.703E+002
-5	3.031E+002	3.291E+002	3.564E+002
-4	2.925E+002	3.172E+002	3.431E+002
-3	2.823E+002	3.058E+002	3.305E+002
-2	2.726E+002	2.949E+002	3.183E+002
-1	2.632E+002	2.845E+002	3.067E+002
0	2.542E+002	2.745E+002	2.956E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.542E+002	2.745E+002	2.956E+002
1	2.456E+002	2.649E+002	2.849E+002
2	2.373E+002	2.557E+002	2.747E+002
3	2.294E+002	2.468E+002	2.649E+002
4	2.217E+002	2.384E+002	2.556E+002
5	2.144E+002	2.302E+002	2.466E+002
6	2.074E+002	2.224E+002	2.380E+002
7	2.006E+002	2.149E+002	2.297E+002
8	1.941E+002	2.077E+002	2.218E+002
9	1.878E+002	2.008E+002	2.142E+002
10	1.818E+002	1.942E+002	2.069E+002
11	1.760E+002	1.878E+002	1.999E+002
12	1.704E+002	1.816E+002	1.931E+002
13	1.650E+002	1.757E+002	1.867E+002
14	1.598E+002	1.700E+002	1.804E+002
15	1.548E+002	1.646E+002	1.745E+002
16	1.501E+002	1.593E+002	1.687E+002
17	1.454E+002	1.543E+002	1.632E+002
18	1.410E+002	1.494E+002	1.579E+002
19	1.367E+002	1.447E+002	1.528E+002
20	1.326E+002	1.402E+002	1.479E+002
21	1.286E+002	1.358E+002	1.432E+002
22	1.247E+002	1.317E+002	1.386E+002
23	1.210E+002	1.276E+002	1.343E+002
24	1.174E+002	1.237E+002	1.301E+002
25	1.140E+002	1.200E+002	1.260E+002
26	1.105E+002	1.164E+002	1.223E+002
27	1.071E+002	1.129E+002	1.188E+002
28	1.038E+002	1.095E+002	1.153E+002
29	1.006E+002	1.063E+002	1.120E+002
30	9.758E+001	1.032E+002	1.088E+002
31	9.464E+001	1.002E+002	1.058E+002
32	9.181E+001	9.726E+001	1.028E+002
33	8.908E+001	9.444E+001	9.989E+001
34	8.644E+001	9.173E+001	9.710E+001
35	8.390E+001	8.911E+001	9.441E+001
36	8.144E+001	8.657E+001	9.180E+001
37	7.907E+001	8.413E+001	8.928E+001
38	7.678E+001	8.176E+001	8.685E+001
39	7.457E+001	7.948E+001	8.449E+001
40	7.244E+001	7.727E+001	8.221E+001

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TYPE TC05-2S121J [R, B]

RESISTANCE (at25°C)	120 $\Omega$	R-TOLERANCE ( $\pm$ )	5 %
B-VALUE (25/50°C)	2750 K	B-TOLERANCE ( $\pm$ )	3 %

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
40	7.244E+001	7.727E+001	8.221E+001
41	7.038E+001	7.513E+001	8.001E+001
42	6.838E+001	7.306E+001	7.787E+001
43	6.646E+001	7.106E+001	7.580E+001
44	6.460E+001	6.913E+001	7.380E+001
45	6.280E+001	6.726E+001	7.186E+001
46	6.106E+001	6.545E+001	6.999E+001
47	5.938E+001	6.370E+001	6.817E+001
48	5.775E+001	6.201E+001	6.641E+001
49	5.618E+001	6.037E+001	6.471E+001
50	5.467E+001	5.879E+001	6.306E+001
51	5.320E+001	5.726E+001	6.147E+001
52	5.178E+001	5.577E+001	5.992E+001
53	5.041E+001	5.434E+001	5.843E+001
54	4.908E+001	5.295E+001	5.698E+001
55	4.780E+001	5.160E+001	5.557E+001
56	4.655E+001	5.029E+001	5.420E+001
57	4.534E+001	4.903E+001	5.288E+001
58	4.418E+001	4.780E+001	5.159E+001
59	4.304E+001	4.661E+001	5.035E+001
60	4.195E+001	4.546E+001	4.914E+001
61	4.088E+001	4.433E+001	4.796E+001
62	3.985E+001	4.324E+001	4.682E+001
63	3.885E+001	4.219E+001	4.571E+001
64	3.787E+001	4.117E+001	4.463E+001
65	3.693E+001	4.017E+001	4.358E+001
66	3.602E+001	3.921E+001	4.257E+001
67	3.514E+001	3.827E+001	4.158E+001
68	3.428E+001	3.736E+001	4.062E+001
69	3.345E+001	3.648E+001	3.969E+001
70	3.264E+001	3.563E+001	3.879E+001
71	3.186E+001	3.480E+001	3.792E+001
72	3.110E+001	3.400E+001	3.707E+001
73	3.036E+001	3.321E+001	3.624E+001
74	2.965E+001	3.245E+001	3.543E+001
75	2.895E+001	3.171E+001	3.465E+001
76	2.828E+001	3.100E+001	3.389E+001
77	2.762E+001	3.030E+001	3.314E+001
78	2.698E+001	2.962E+001	3.242E+001
79	2.636E+001	2.895E+001	3.172E+001
80	2.576E+001	2.831E+001	3.103E+001

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
80	2.576E+001	2.831E+001	3.103E+001
81	2.517E+001	2.768E+001	3.036E+001
82	2.459E+001	2.706E+001	2.971E+001
83	2.404E+001	2.647E+001	2.907E+001
84	2.349E+001	2.589E+001	2.845E+001
85	2.297E+001	2.532E+001	2.785E+001
86	2.245E+001	2.477E+001	2.726E+001
87	2.196E+001	2.424E+001	2.669E+001
88	2.147E+001	2.372E+001	2.614E+001
89	2.100E+001	2.321E+001	2.560E+001
90	2.054E+001	2.272E+001	2.507E+001
91	2.010E+001	2.225E+001	2.456E+001
92	1.967E+001	2.178E+001	2.406E+001
93	1.925E+001	2.133E+001	2.358E+001
94	1.884E+001	2.089E+001	2.310E+001
95	1.844E+001	2.046E+001	2.264E+001
96	1.805E+001	2.004E+001	2.219E+001
97	1.767E+001	1.963E+001	2.175E+001
98	1.731E+001	1.923E+001	2.133E+001
99	1.695E+001	1.885E+001	2.091E+001
100	1.660E+001	1.847E+001	2.050E+001
101	1.626E+001	1.810E+001	2.010E+001
102	1.592E+001	1.774E+001	1.972E+001
103	1.560E+001	1.739E+001	1.934E+001
104	1.528E+001	1.705E+001	1.897E+001
105	1.498E+001	1.672E+001	1.861E+001
106	1.468E+001	1.639E+001	1.826E+001
107	1.438E+001	1.607E+001	1.791E+001
108	1.410E+001	1.576E+001	1.758E+001
109	1.382E+001	1.546E+001	1.725E+001
110	1.355E+001	1.516E+001	1.693E+001
111	1.328E+001	1.488E+001	1.662E+001
112	1.303E+001	1.460E+001	1.631E+001
113	1.277E+001	1.432E+001	1.602E+001
114	1.253E+001	1.405E+001	1.572E+001
115	1.229E+001	1.379E+001	1.544E+001
116	1.205E+001	1.353E+001	1.516E+001
117	1.182E+001	1.328E+001	1.489E+001
118	1.160E+001	1.304E+001	1.462E+001
119	1.138E+001	1.280E+001	1.436E+001
120	1.117E+001	1.257E+001	1.411E+001
121	1.096E+001	1.234E+001	1.386E+001
122	1.076E+001	1.212E+001	1.362E+001
123	1.056E+001	1.190E+001	1.338E+001
124	1.036E+001	1.169E+001	1.315E+001
125	1.017E+001	1.148E+001	1.292E+001