

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH05-3L104F [R, B]

RESISTANCE (at25°C)	100000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	3540 K	B-TOLERANCE (±)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	2.267E+006	2.367E+006	2.471E+006
-39	2.138E+006	2.231E+006	2.327E+006
-38	2.017E+006	2.103E+006	2.193E+006
-37	1.903E+006	1.983E+006	2.066E+006
-36	1.797E+006	1.871E+006	1.948E+006
-35	1.697E+006	1.766E+006	1.838E+006
-34	1.603E+006	1.667E+006	1.734E+006
-33	1.515E+006	1.574E+006	1.636E+006
-32	1.432E+006	1.487E+006	1.545E+006
-31	1.354E+006	1.406E+006	1.459E+006
-30	1.281E+006	1.329E+006	1.379E+006
-29	1.212E+006	1.257E+006	1.303E+006
-28	1.147E+006	1.189E+006	1.232E+006
-27	1.086E+006	1.125E+006	1.165E+006
-26	1.029E+006	1.065E+006	1.103E+006
-25	9.752E+005	1.009E+006	1.044E+006
-24	9.244E+005	9.558E+005	9.882E+005
-23	8.766E+005	9.059E+005	9.361E+005
-22	8.316E+005	8.589E+005	8.870E+005
-21	7.892E+005	8.146E+005	8.408E+005
-20	7.492E+005	7.729E+005	7.973E+005
-19	7.115E+005	7.336E+005	7.563E+005
-18	6.759E+005	6.965E+005	7.177E+005
-17	6.423E+005	6.615E+005	6.813E+005
-16	6.106E+005	6.285E+005	6.470E+005
-15	5.806E+005	5.974E+005	6.146E+005
-14	5.523E+005	5.680E+005	5.840E+005
-13	5.256E+005	5.402E+005	5.551E+005
-12	5.003E+005	5.139E+005	5.278E+005
-11	4.764E+005	4.891E+005	5.021E+005
-10	4.537E+005	4.656E+005	4.777E+005
-9	4.323E+005	4.433E+005	4.547E+005
-8	4.119E+005	4.223E+005	4.329E+005
-7	3.927E+005	4.024E+005	4.123E+005
-6	3.745E+005	3.836E+005	3.928E+005
-5	3.573E+005	3.657E+005	3.743E+005
-4	3.409E+005	3.488E+005	3.568E+005
-3	3.255E+005	3.328E+005	3.403E+005
-2	3.108E+005	3.176E+005	3.246E+005
-1	2.968E+005	3.033E+005	3.098E+005
0	2.836E+005	2.896E+005	2.957E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.836E+005	2.896E+005	2.957E+005
1	2.711E+005	2.767E+005	2.824E+005
2	2.592E+005	2.644E+005	2.697E+005
3	2.478E+005	2.527E+005	2.577E+005
4	2.371E+005	2.416E+005	2.463E+005
5	2.269E+005	2.311E+005	2.354E+005
6	2.171E+005	2.211E+005	2.251E+005
7	2.079E+005	2.116E+005	2.153E+005
8	1.990E+005	2.025E+005	2.060E+005
9	1.907E+005	1.939E+005	1.971E+005
10	1.827E+005	1.857E+005	1.887E+005
11	1.751E+005	1.779E+005	1.807E+005
12	1.678E+005	1.704E+005	1.731E+005
13	1.609E+005	1.633E+005	1.658E+005
14	1.543E+005	1.566E+005	1.589E+005
15	1.480E+005	1.502E+005	1.523E+005
16	1.421E+005	1.440E+005	1.460E+005
17	1.363E+005	1.382E+005	1.400E+005
18	1.309E+005	1.326E+005	1.343E+005
19	1.257E+005	1.273E+005	1.288E+005
20	1.207E+005	1.222E+005	1.236E+005
21	1.160E+005	1.173E+005	1.187E+005
22	1.114E+005	1.127E+005	1.140E+005
23	1.071E+005	1.083E+005	1.094E+005
24	1.030E+005	1.040E+005	1.051E+005
25	9.900E+004	1.000E+005	1.010E+005
26	9.514E+004	9.614E+004	9.714E+004
27	9.146E+004	9.245E+004	9.345E+004
28	8.793E+004	8.893E+004	8.992E+004
29	8.457E+004	8.555E+004	8.655E+004
30	8.135E+004	8.233E+004	8.332E+004
31	7.827E+004	7.924E+004	8.022E+004
32	7.532E+004	7.629E+004	7.726E+004
33	7.250E+004	7.346E+004	7.443E+004
34	6.980E+004	7.075E+004	7.171E+004
35	6.722E+004	6.816E+004	6.911E+004
36	6.475E+004	6.568E+004	6.661E+004
37	6.238E+004	6.330E+004	6.422E+004
38	6.011E+004	6.102E+004	6.193E+004
39	5.793E+004	5.883E+004	5.974E+004
40	5.585E+004	5.673E+004	5.763E+004

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B-VALUE (25/50°C)	3540 K	B-TOLERANCE (±)	1 %

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.585E+004	5.673E+004	5.763E+004
41	5.385E+004	5.472E+004	5.561E+004
42	5.193E+004	5.280E+004	5.367E+004
43	5.010E+004	5.095E+004	5.180E+004
44	4.833E+004	4.917E+004	5.002E+004
45	4.664E+004	4.747E+004	4.830E+004
46	4.502E+004	4.583E+004	4.665E+004
47	4.346E+004	4.426E+004	4.507E+004
48	4.197E+004	4.275E+004	4.355E+004
49	4.053E+004	4.130E+004	4.209E+004
50	3.915E+004	3.991E+004	4.068E+004
51	3.783E+004	3.857E+004	3.933E+004
52	3.655E+004	3.729E+004	3.803E+004
53	3.533E+004	3.605E+004	3.679E+004
54	3.415E+004	3.486E+004	3.558E+004
55	3.302E+004	3.372E+004	3.443E+004
56	3.193E+004	3.262E+004	3.332E+004
57	3.089E+004	3.156E+004	3.225E+004
58	2.988E+004	3.054E+004	3.121E+004
59	2.891E+004	2.956E+004	3.022E+004
60	2.798E+004	2.861E+004	2.926E+004
61	2.708E+004	2.770E+004	2.834E+004
62	2.621E+004	2.682E+004	2.745E+004
63	2.537E+004	2.598E+004	2.659E+004
64	2.457E+004	2.516E+004	2.576E+004
65	2.380E+004	2.438E+004	2.497E+004
66	2.305E+004	2.362E+004	2.420E+004
67	2.233E+004	2.289E+004	2.346E+004
68	2.164E+004	2.219E+004	2.275E+004
69	2.097E+004	2.151E+004	2.206E+004
70	2.033E+004	2.085E+004	2.139E+004
71	1.971E+004	2.023E+004	2.075E+004
72	1.911E+004	1.962E+004	2.014E+004
73	1.853E+004	1.903E+004	1.954E+004
74	1.798E+004	1.847E+004	1.897E+004
75	1.744E+004	1.792E+004	1.841E+004
76	1.692E+004	1.739E+004	1.787E+004
77	1.642E+004	1.688E+004	1.736E+004
78	1.594E+004	1.639E+004	1.686E+004
79	1.548E+004	1.592E+004	1.637E+004
80	1.503E+004	1.546E+004	1.591E+004

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.503E+004	1.546E+004	1.591E+004
81	1.459E+004	1.502E+004	1.546E+004
82	1.417E+004	1.459E+004	1.502E+004
83	1.377E+004	1.418E+004	1.460E+004
84	1.338E+004	1.378E+004	1.419E+004
85	1.300E+004	1.339E+004	1.380E+004
86	1.263E+004	1.302E+004	1.341E+004
87	1.227E+004	1.265E+004	1.305E+004
88	1.193E+004	1.230E+004	1.269E+004
89	1.160E+004	1.197E+004	1.234E+004
90	1.128E+004	1.164E+004	1.201E+004
91	1.097E+004	1.132E+004	1.168E+004
92	1.067E+004	1.101E+004	1.137E+004
93	1.037E+004	1.071E+004	1.106E+004
94	1.009E+004	1.042E+004	1.077E+004
95	9.818E+003	1.014E+004	1.048E+004
96	9.553E+003	9.872E+003	1.020E+004
97	9.296E+003	9.609E+003	9.932E+003
98	9.047E+003	9.354E+003	9.671E+003
99	8.805E+003	9.107E+003	9.418E+003
100	8.571E+003	8.867E+003	9.172E+003
101	8.343E+003	8.633E+003	8.932E+003
102	8.122E+003	8.406E+003	8.699E+003
103	7.907E+003	8.186E+003	8.474E+003
104	7.700E+003	7.974E+003	8.256E+003
105	7.499E+003	7.767E+003	8.045E+003
106	7.305E+003	7.568E+003	7.840E+003
107	7.116E+003	7.375E+003	7.642E+003
108	6.934E+003	7.187E+003	7.449E+003
109	6.757E+003	7.006E+003	7.263E+003
110	6.586E+003	6.830E+003	7.082E+003
111	6.421E+003	6.660E+003	6.908E+003
112	6.261E+003	6.496E+003	6.739E+003
113	6.105E+003	6.336E+003	6.575E+003
114	5.954E+003	6.181E+003	6.416E+003
115	5.808E+003	6.030E+003	6.261E+003
116	5.666E+003	5.884E+003	6.110E+003
117	5.528E+003	5.742E+003	5.965E+003
118	5.394E+003	5.605E+003	5.823E+003
119	5.264E+003	5.471E+003	5.685E+003
120	5.138E+003	5.341E+003	5.551E+003
121	5.015E+003	5.214E+003	5.421E+003
122	4.896E+003	5.092E+003	5.295E+003
123	4.780E+003	4.972E+003	5.172E+003
124	4.668E+003	4.856E+003	5.052E+003
125	4.558E+003	4.744E+003	4.936E+003