

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TD05-3L104F [R, B]
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RESISTANCE (at 25°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+06	2.367E+06	2.471E+06
-39	2.138E+06	2.231E+06	2.327E+06
-38	2.017E+06	2.103E+06	2.193E+06
-37	1.903E+06	1.983E+06	2.066E+06
-36	1.797E+06	1.871E+06	1.948E+06
-35	1.697E+06	1.766E+06	1.838E+06
-34	1.603E+06	1.667E+06	1.734E+06
-33	1.515E+06	1.574E+06	1.636E+06
-32	1.432E+06	1.487E+06	1.545E+06
-31	1.354E+06	1.406E+06	1.459E+06
-30	1.281E+06	1.329E+06	1.379E+06
-29	1.212E+06	1.257E+06	1.303E+06
-28	1.147E+06	1.189E+06	1.232E+06
-27	1.086E+06	1.125E+06	1.165E+06
-26	1.029E+06	1.065E+06	1.103E+06
-25	9.752E+05	1.009E+06	1.044E+06
-24	9.244E+05	9.558E+05	9.882E+05
-23	8.766E+05	9.059E+05	9.361E+05
-22	8.316E+05	8.589E+05	8.870E+05
-21	7.892E+05	8.146E+05	8.408E+05
-20	7.492E+05	7.729E+05	7.973E+05
-19	7.115E+05	7.336E+05	7.563E+05
-18	6.759E+05	6.965E+05	7.177E+05
-17	6.423E+05	6.615E+05	6.813E+05
-16	6.106E+05	6.285E+05	6.470E+05
-15	5.806E+05	5.974E+05	6.146E+05
-14	5.523E+05	5.680E+05	5.840E+05
-13	5.256E+05	5.402E+05	5.551E+05
-12	5.003E+05	5.139E+05	5.278E+05
-11	4.764E+05	4.891E+05	5.021E+05
-10	4.537E+05	4.656E+05	4.777E+05
-9	4.323E+05	4.433E+05	4.547E+05
-8	4.119E+05	4.223E+05	4.329E+05
-7	3.927E+05	4.024E+05	4.123E+05
-6	3.745E+05	3.836E+05	3.928E+05
-5	3.573E+05	3.657E+05	3.743E+05
-4	3.409E+05	3.488E+05	3.568E+05
-3	3.255E+05	3.328E+05	3.403E+05
-2	3.108E+05	3.176E+05	3.246E+05
-1	2.968E+05	3.033E+05	3.098E+05
0	2.836E+05	2.896E+05	2.957E+05

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.836E+05	2.896E+05	2.957E+05
1	2.711E+05	2.767E+05	2.824E+05
2	2.592E+05	2.644E+05	2.697E+05
3	2.478E+05	2.527E+05	2.577E+05
4	2.371E+05	2.416E+05	2.463E+05
5	2.269E+05	2.311E+05	2.354E+05
6	2.171E+05	2.211E+05	2.251E+05
7	2.079E+05	2.116E+05	2.153E+05
8	1.990E+05	2.025E+05	2.060E+05
9	1.907E+05	1.939E+05	1.971E+05
10	1.827E+05	1.857E+05	1.887E+05
11	1.751E+05	1.779E+05	1.807E+05
12	1.678E+05	1.704E+05	1.731E+05
13	1.609E+05	1.633E+05	1.658E+05
14	1.543E+05	1.566E+05	1.589E+05
15	1.480E+05	1.502E+05	1.523E+05
16	1.421E+05	1.440E+05	1.460E+05
17	1.363E+05	1.382E+05	1.400E+05
18	1.309E+05	1.326E+05	1.343E+05
19	1.257E+05	1.273E+05	1.288E+05
20	1.207E+05	1.222E+05	1.236E+05
21	1.160E+05	1.173E+05	1.187E+05
22	1.114E+05	1.127E+05	1.140E+05
23	1.071E+05	1.083E+05	1.094E+05
24	1.030E+05	1.040E+05	1.051E+05
25	9.900E+04	1.000E+05	1.010E+05
26	9.514E+04	9.614E+04	9.714E+04
27	9.146E+04	9.245E+04	9.345E+04
28	8.793E+04	8.893E+04	8.992E+04
29	8.457E+04	8.555E+04	8.655E+04
30	8.135E+04	8.233E+04	8.332E+04
31	7.827E+04	7.924E+04	8.022E+04
32	7.532E+04	7.629E+04	7.726E+04
33	7.250E+04	7.346E+04	7.443E+04
34	6.980E+04	7.075E+04	7.171E+04
35	6.722E+04	6.816E+04	6.911E+04
36	6.475E+04	6.568E+04	6.661E+04
37	6.238E+04	6.330E+04	6.422E+04
38	6.011E+04	6.102E+04	6.193E+04
39	5.793E+04	5.883E+04	5.974E+04
40	5.585E+04	5.673E+04	5.763E+04
41	5.385E+04	5.472E+04	5.561E+04
42	5.193E+04	5.280E+04	5.367E+04
43	5.010E+04	5.095E+04	5.180E+04
44	4.833E+04	4.917E+04	5.002E+04
45	4.664E+04	4.747E+04	4.830E+04
46	4.502E+04	4.583E+04	4.665E+04
47	4.346E+04	4.426E+04	4.507E+04
48	4.197E+04	4.275E+04	4.355E+04
49	4.053E+04	4.130E+04	4.209E+04
50	3.915E+04	3.991E+04	4.068E+04

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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)
50	3.915E+04	3.991E+04	4.068E+04
51	3.783E+04	3.857E+04	3.933E+04
52	3.655E+04	3.729E+04	3.803E+04
53	3.533E+04	3.605E+04	3.679E+04
54	3.415E+04	3.486E+04	3.558E+04
55	3.302E+04	3.372E+04	3.443E+04
56	3.193E+04	3.262E+04	3.332E+04
57	3.089E+04	3.156E+04	3.225E+04
58	2.988E+04	3.054E+04	3.121E+04
59	2.891E+04	2.956E+04	3.022E+04
60	2.798E+04	2.861E+04	2.926E+04
61	2.708E+04	2.770E+04	2.834E+04
62	2.621E+04	2.682E+04	2.745E+04
63	2.537E+04	2.598E+04	2.659E+04
64	2.457E+04	2.516E+04	2.576E+04
65	2.380E+04	2.438E+04	2.497E+04
66	2.305E+04	2.362E+04	2.420E+04
67	2.233E+04	2.289E+04	2.346E+04
68	2.164E+04	2.219E+04	2.275E+04
69	2.097E+04	2.151E+04	2.206E+04
70	2.033E+04	2.085E+04	2.139E+04
71	1.971E+04	2.023E+04	2.075E+04
72	1.911E+04	1.962E+04	2.014E+04
73	1.853E+04	1.903E+04	1.954E+04
74	1.798E+04	1.847E+04	1.897E+04
75	1.744E+04	1.792E+04	1.841E+04
76	1.692E+04	1.739E+04	1.787E+04
77	1.642E+04	1.688E+04	1.736E+04
78	1.594E+04	1.639E+04	1.686E+04
79	1.548E+04	1.592E+04	1.637E+04
80	1.503E+04	1.546E+04	1.591E+04
81	1.459E+04	1.502E+04	1.546E+04
82	1.417E+04	1.459E+04	1.502E+04
83	1.377E+04	1.418E+04	1.460E+04
84	1.338E+04	1.378E+04	1.419E+04
85	1.300E+04	1.339E+04	1.380E+04
86	1.263E+04	1.302E+04	1.341E+04
87	1.227E+04	1.265E+04	1.305E+04
88	1.193E+04	1.230E+04	1.269E+04
89	1.160E+04	1.197E+04	1.234E+04
90	1.128E+04	1.164E+04	1.201E+04
91	1.097E+04	1.132E+04	1.168E+04
92	1.067E+04	1.101E+04	1.137E+04
93	1.037E+04	1.071E+04	1.106E+04
94	1.009E+04	1.042E+04	1.077E+04
95	9.818E+03	1.014E+04	1.048E+04
96	9.553E+03	9.872E+03	1.020E+04
97	9.296E+03	9.609E+03	9.932E+03
98	9.047E+03	9.354E+03	9.671E+03
99	8.805E+03	9.107E+03	9.418E+03
100	8.571E+03	8.867E+03	9.172E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	8.571E+03	8.867E+03	9.172E+03
101	8.343E+03	8.633E+03	8.932E+03
102	8.122E+03	8.406E+03	8.699E+03
103	7.907E+03	8.186E+03	8.474E+03
104	7.700E+03	7.974E+03	8.256E+03
105	7.499E+03	7.767E+03	8.045E+03
106	7.305E+03	7.568E+03	7.840E+03
107	7.116E+03	7.375E+03	7.642E+03
108	6.934E+03	7.187E+03	7.449E+03
109	6.757E+03	7.006E+03	7.263E+03
110	6.586E+03	6.830E+03	7.082E+03
111	6.421E+03	6.660E+03	6.908E+03
112	6.261E+03	6.496E+03	6.739E+03
113	6.105E+03	6.336E+03	6.575E+03
114	5.954E+03	6.181E+03	6.416E+03
115	5.808E+03	6.030E+03	6.261E+03
116	5.666E+03	5.884E+03	6.110E+03
117	5.528E+03	5.742E+03	5.965E+03
118	5.394E+03	5.605E+03	5.823E+03
119	5.264E+03	5.471E+03	5.685E+03
120	5.138E+03	5.341E+03	5.551E+03
121	5.017E+03	5.217E+03	5.423E+03
122	4.900E+03	5.095E+03	5.299E+03
123	4.785E+03	4.977E+03	5.177E+03
124	4.673E+03	4.862E+03	5.058E+03
125	4.564E+03	4.749E+03	4.942E+03
126	4.457E+03	4.639E+03	4.829E+03
127	4.353E+03	4.532E+03	4.718E+03
128	4.252E+03	4.428E+03	4.610E+03
129	4.153E+03	4.325E+03	4.505E+03
130	4.056E+03	4.226E+03	4.402E+03
131	3.959E+03	4.126E+03	4.299E+03
132	3.865E+03	4.029E+03	4.199E+03
133	3.774E+03	3.935E+03	4.101E+03
134	3.686E+03	3.843E+03	4.007E+03
135	3.600E+03	3.754E+03	3.915E+03
136	3.516E+03	3.668E+03	3.826E+03
137	3.435E+03	3.584E+03	3.739E+03
138	3.356E+03	3.502E+03	3.655E+03
139	3.280E+03	3.423E+03	3.573E+03
140	3.205E+03	3.346E+03	3.493E+03
141	3.133E+03	3.271E+03	3.416E+03
142	3.063E+03	3.199E+03	3.341E+03
143	2.994E+03	3.128E+03	3.268E+03
144	2.928E+03	3.059E+03	3.196E+03
145	2.863E+03	2.993E+03	3.127E+03
146	2.801E+03	2.928E+03	3.060E+03
147	2.740E+03	2.865E+03	2.995E+03
148	2.681E+03	2.803E+03	2.931E+03
149	2.623E+03	2.743E+03	2.869E+03
150	2.567E+03	2.685E+03	2.809E+03