NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TD11-3M104F[T,B]

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	100000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	3590 K	B+TOLERANCE(K)	35.9	B-TOLERANCE(K)	35.9

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
−40	2.342E+06	2.446E+06	2.555E+06
−39	2.206E+06	2.303E+06	2.404E+06
−38	2.079E+06	2.169E+06	2.262E+06
−37	1.960E+06	2.044E+06	2.131E+06
−36	1.849E+06	1.927E+06	2.007E+06
−35	1.745E+06	1.817E+06	1.892E+06
−34	1.647E+06	1.714E+06	1.784E+06
−33	1.556E+06	1.618E+06	1.682E+06
−32	1.470E+06	1.528E+06	1.588E+06
−31	1.390E+06	1.443E+06	1.499E+06
−30	1.314E+06	1.364E+06	1.415E+06
−29	1.243E+06	1.289E+06	1.337E+06
−28	1.176E+06	1.219E+06	1.264E+06
−27	1.113E+06	1.154E+06	1.195E+06
−26	1.054E+06	1.092E+06	1.131E+06
−25	9.989E+05	1.034E+06	1.070E+06
−24	9.467E+05	9.791E+05	1.013E+06
−23	8.974E+05	9.277E+05	9.589E+05
−22	8.511E+05	8.792E+05	9.083E+05
−21	8.073E+05	8.336E+05	8.607E+05
−20	7.661E+05	7.906E+05	8.158E+05
−19	7.272E+05	7.500E+05	7.735E+05
−18	6.905E+05	7.118E+05	7.336E+05
−17	6.559E+05	6.757E+05	6.961E+05
−16	6.232E+05	6.417E+05	6.607E+05
−15	5.924E+05	6.096E+05	6.273E+05
−14	5.632E+05	5.793E+05	5.958E+05
−13	5.358E+05	5.508E+05	5.661E+05
−12	5.098E+05	5.238E+05	5.381E+05
−11	4.852E+05	4.983E+05	5.117E+05
−10	4.620E+05	4.742E+05	4.867E+05
−9	4.401E+05	4.515E+05	4.631E+05
−8	4.193E+05	4.300E+05	4.408E+05
−7	3.997E+05	4.096E+05	4.197E+05
−6	3.810E+05	3.903E+05	3.997E+05
−5	3.634E+05	3.720E+05	3.808E+05
−4	3.466E+05	3.547E+05	3.629E+05
−3	3.307E+05	3.383E+05	3.459E+05
−2	3.157E+05	3.227E+05	3.299E+05
−1	3.014E+05	3.079E+05	3.146E+05
0	2.878E+05	2.939E+05	3.001E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.878E+05	2.939E+05	3.001E+05
1	2.749E+05	2.806E+05	2.864E+05
2	2.626E+05	2.680E+05	2.734E+05
3	2.510E+05	2.560E+05	2.610E+05
4	2.399E+05	2.446E+05	2.493E+05
5	2.294E+05	2.338E+05	2.382E+05
6	2.195E+05	2.235E+05	2.276E+05
7	2.100E+05	2.137E+05	2.176E+05
8	2.009E+05	2.045E+05	2.080E+05
9	1.924E+05	1.956E+05	1.989E+05
10	1.842E+05	1.872E+05	1.903E+05
11	1.764E+05	1.793E+05	1.821E+05
12	1.690E+05	1.716E+05	1.743E+05
13	1.619E+05	1.644E+05	1.669E+05
14	1.552E+05	1.575E+05	1.598E+05
15	1.488E+05	1.510E+05	1.531E+05
16	1.427E+05	1.447E+05	1.467E+05
17	1.369E+05	1.388E+05	1.406E+05
18	1.314E+05	1.331E+05	1.348E+05
19	1.261E+05	1.277E+05	1.293E+05
20	1.210E+05	1.225E+05	1.240E+05
21	1.162E+05	1.176E+05	1.189E+05
22	1.116E+05	1.129E+05	1.141E+05
23	1.072E+05	1.084E+05	1.096E+05
24	1.030E+05	1.041E+05	1.052E+05
25	9.900E+04	1.000E+05	1.010E+05
26	9.509E+04	9.609E+04	9.709E+04
27	9.136E+04	9.235E+04	9.335E+04
28	8.779E+04	8.878E+04	8.978E+04
29	8.438E+04	8.537E+04	8.636E+04
30	8.112E+04	8.210E+04	8.309E+04
31	7.800E+04	7.898E+04	7.996E+04
32	7.503E+04	7.599E+04	7.697E+04
33	7.218E+04	7.314E+04	7.410E+04
34	6.945E+04	7.040E+04	7.136E+04
35	6.685E+04	6.778E+04	6.873E+04
36	6.435E+04	6.528E+04	6.622E+04
37	6.196E+04	6.288E+04	6.381E+04
38	5.968E+04	6.058E+04	6.150E+04
39	5.749E+04	5.838E+04	5.928E+04
40	5.539E+04	5.627E+04	5.716E+04
41	5.338E+04	5.425E+04	5.513E+04
42	5.146E+04	5.231E+04	5.318E+04
43	4.961E+04	5.046E+04	5.131E+04
44	4.784E+04	4.868E+04	4.952E+04
45	4.615E+04	4.697E+04	4.780E+04
46	4.452E+04	4.533E+04	4.614E+04
47	4.296E+04	4.375E+04	4.456E+04
48	4.146E+04	4.224E+04	4.303E+04
49	4.002E+04	4.079E+04	4.157E+04
50	3.864E+04	3.940E+04	4.016E+04

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B(T1℃/T2℃)	3590 K	B+TOLERANCE(K)	35.9	B-TOLERANCE(K)	35.9

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	3.864E+04	3.940E+04	4.016E+04
51	3.731E+04	3.805E+04	3.881E+04
52	3.604E+04	3.677E+04	3.751E+04
53	3.481E+04	3.553E+04	3.626E+04
54	3.363E+04	3.434E+04	3.505E+04
55	3.250E+04	3.319E+04	3.390E+04
56	3.141E+04	3.209E+04	3.278E+04
57	3.037E+04	3.103E+04	3.171E+04
58	2.936E+04	3.002E+04	3.068E+04
59	2.839E+04	2.904E+04	2.969E+04
60	2.746E+04	2.810E+04	2.874E+04
61	2.657E+04	2.719E+04	2.782E+04
62	2.571E+04	2.631E+04	2.693E+04
63	2.488E+04	2.547E+04	2.608E+04
64	2.408E+04	2.466E+04	2.526E+04
65	2.331E+04	2.388E+04	2.447E+04
66	2.257E+04	2.313E+04	2.370E+04
67	2.186E+04	2.241E+04	2.297E+04
68	2.117E+04	2.171E+04	2.226E+04
69	2.051E+04	2.104E+04	2.158E+04
70	1.987E+04	2.039E+04	2.092E+04
71	1.926E+04	1.977E+04	2.029E+04
72	1.867E+04	1.917E+04	1.968E+04
73	1.810E+04	1.859E+04	1.910E+04
74	1.755E+04	1.804E+04	1.853E+04
75	1.703E+04	1.750E+04	1.798E+04
76	1.651E+04	1.698E+04	1.745E+04
77	1.602E+04	1.648E+04	1.694E+04
78	1.555E+04	1.599E+04	1.645E+04
79	1.509E+04	1.552E+04	1.597E+04
80	1.464E+04	1.507E+04	1.551E+04
81	1.421E+04	1.463E+04	1.506E+04
82	1.380E+04	1.421E+04	1.463E+04
83	1.340E+04	1.380E+04	1.422E+04
84	1.301E+04	1.341E+04	1.381E+04
85	1.264E+04	1.303E+04	1.342E+04
86	1.228E+04	1.266E+04	1.305E+04
87	1.193E+04	1.230E+04	1.268E+04
88	1.159E+04	1.195E+04	1.233E+04
89	1.126E+04	1.162E+04	1.199E+04
90	1.094E+04	1.129E+04	1.165E+04
91	1.063E+04	1.098E+04	1.133E+04
92	1.033E+04	1.067E+04	1.102E+04
93	1.004E+04	1.038E+04	1.072E+04
94	9.765E+03	1.009E+04	1.042E+04
95	9.495E+03	9.813E+03	1.014E+04
96	9.233E+03	9.545E+03	9.866E+03
97	8.980E+03	9.285E+03	9.600E+03
98	8.735E+03	9.034E+03	9.343E+03
99	8.497E+03	8.791E+03	9.094E+03
100	8.268E+03	8.556E+03	8.853E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	8.268E+03	8.556E+03	8.853E+03
101	8.046E+03	8.328E+03	8.620E+03
102	7.831E+03	8.108E+03	8.394E+03
103	7.622E+03	7.894E+03	8.174E+03
104	7.420E+03	7.687E+03	7.962E+03
105	7.225E+03	7.486E+03	7.756E+03
106	7.035E+03	7.292E+03	7.556E+03
107	6.852E+03	7.103E+03	7.363E+03
108	6.673E+03	6.920E+03	7.175E+03
109	6.501E+03	6.743E+03	6.993E+03
110	6.333E+03	6.571E+03	6.816E+03
111	6.171E+03	6.404E+03	6.645E+03
112	6.014E+03	6.242E+03	6.479E+03
113	5.861E+03	6.085E+03	6.317E+03
114	5.713E+03	5.933E+03	6.161E+03
115	5.570E+03	5.785E+03	6.009E+03
116	5.430E+03	5.642E+03	5.861E+03
117	5.295E+03	5.502E+03	5.717E+03
118	5.163E+03	5.367E+03	5.578E+03
119	5.036E+03	5.236E+03	5.443E+03
120	4.912E+03	5.108E+03	5.311E+03
121	4.792E+03	4.984E+03	5.184E+03
122	4.675E+03	4.864E+03	5.060E+03
123	4.562E+03	4.747E+03	4.939E+03
124	4.451E+03	4.633E+03	4.822E+03
125	4.344E+03	4.523E+03	4.708E+03
126	4.240E+03	4.415E+03	4.597E+03
127	4.138E+03	4.311E+03	4.489E+03
128	4.040E+03	4.209E+03	4.384E+03
129	3.944E+03	4.110E+03	4.282E+03
130	3.851E+03	4.013E+03	4.183E+03
131	3.760E+03	3.919E+03	4.086E+03
132	3.671E+03	3.828E+03	3.991E+03
133	3.585E+03	3.739E+03	3.900E+03
134	3.501E+03	3.653E+03	3.810E+03
135	3.420E+03	3.569E+03	3.723E+03
136	3.341E+03	3.487E+03	3.638E+03
137	3.264E+03	3.407E+03	3.556E+03
138	3.188E+03	3.329E+03	3.475E+03
139	3.115E+03	3.253E+03	3.397E+03
140	3.044E+03	3.180E+03	3.321E+03
141	2.975E+03	3.108E+03	3.247E+03
142	2.907E+03	3.038E+03	3.174E+03
143	2.842E+03	2.970E+03	3.104E+03
144	2.778E+03	2.904E+03	3.035E+03
145	2.715E+03	2.839E+03	2.968E+03
146	2.655E+03	2.776E+03	2.903E+03
147	2.595E+03	2.715E+03	2.840E+03
148	2.538E+03	2.655E+03	2.778E+03
149	2.481E+03	2.597E+03	2.717E+03
150	2.427E+03	2.540E+03	2.658E+03