NTC THERMISTOR R-T CHARACTERISTICS

TYPE	MN18-3G302H*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	3000 Ω	R+TOLERANCE(%)	3	R-TOLERANCE(%)	3
B(T1℃/T2℃)	3470 K	B+TOLERANCE(K)	104.1	B-TOLERANCE(K)	104.1

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	5.718E+04	6.498E+04	7.377E+04
-39	5.406E+04	6.132E+04	6.948E+04
-38	5.114E+04	5.789E+04	6.547E+04
-37	4.839E+04	5.467E+04	6.172E+04
-36	4.580E+04	5.166E+04	5.821E+04
-35	4.338E+04	4.883E+04	5.492E+04
-34	4.109E+04	4.618E+04	5.184E+04
-33	3.895E+04	4.368E+04	4.895E+04
-32	3.692E+04	4.134E+04	4.624E+04
-31	3.502E+04	3.914E+04	4.371E+04
-30	3.323E+04	3.707E+04	4.132E+04
-29	3.154E+04	3.513E+04	3.909E+04
-28	2.995E+04	3.330E+04	3.699E+04
-27	2.845E+04	3.158E+04	3.501E+04
-26	2.703E+04	2.995E+04	3.316E+04
-25	2.570E+04	2.842E+04	3.141E+04
-24	2.443E+04	2.698E+04	2.976E+04
-23	2.324E+04	2.562E+04	2.822E+04
-22	2.211E+04	2.433E+04	2.676E+04
-21	2.104E+04	2.312E+04	2.538E+04
-20	2.003E+04	2.198E+04	2.408E+04
-19	1.908E+04	2.090E+04	2.286E+04
-18	1.818E+04	1.987E+04	2.171E+04
-17	1.732E+04	1.891E+04	2.062E+04
-16	1.651E+04	1.800E+04	1.960E+04
-15	1.574E+04	1.713E+04	1.863E+04
-14	1.501E+04	1.631E+04	1.771E+04
-13	1.432E+04	1.554E+04	1.684E+04
-12	1.367E+04	1.481E+04	1.602E+04
-11	1.305E+04	1.411E+04	1.525E+04
-10	1.246E+04	1.345E+04	1.452E+04
-9	1.190E+04	1.283E+04	1.382E+04
-8	1.137E+04	1.224E+04	1.316E+04
-7	1.086E+04	1.168E+04	1.254E+04
-6	1.038E+04	1.114E+04	1.195E+04
-5	9.925E+03	1.064E+04	1.140E+04
-4	9.492E+03	1.016E+04	1.087E+04
-3	9.081E+03	9.707E+03	1.037E+04
-2	8.690E+03	9.276E+03	9.892E+03
-1	8.318E+03	8.866E+03	9.442E+03
0	7.965E+03	8.478E+03	9.015E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	7.965E+03	8.478E+03	9.015E+03
1	7.629E+03	8.109E+03	8.611E+03
2	7.309E+03	7.758E+03	8.227E+03
3	7.004E+03	7.424E+03	7.862E+03
4	6.713E+03	7.106E+03	7.516E+03
5	6.436E+03	6.804E+03	7.186E+03
6	6.172E+03	6.516E+03	6.873E+03
7	5.920E+03	6.242E+03	6.575E+03
8	5.680E+03	5.981E+03	6.292E+03
9	5.451E+03	5.732E+03	6.022E+03
10	5.232E+03	5.495E+03	5.765E+03
11	5.023E+03	5.269E+03	5.521E+03
12	4.824E+03	5.053E+03	5.288E+03
13	4.634E+03	4.848E+03	5.067E+03
14	4.452E+03	4.651E+03	4.856E+03
15	4.278E+03	4.464E+03	4.654E+03
16	4.112E+03	4.286E+03	4.463E+03
17	3.954E+03	4.116E+03	4.280E+03
18	3.802E+03	3.953E+03	4.106E+03
19	3.657E+03	3.798E+03	3.940E+03
20	3.519E+03	3.649E+03	3.781E+03
21	3.386E+03	3.507E+03	3.630E+03
22	3.259E+03	3.372E+03	3.485E+03
23	3.138E+03	3.242E+03	3.347E+03
24	3.021E+03	3.118E+03	3.216E+03
25	2.910E+03	3.000E+03	3.090E+03
26	2.797E+03	2.887E+03	2.977E+03
27	2.689E+03	2.778E+03	2.868E+03
28	2.585E+03	2.675E+03	2.764E+03
29	2.486E+03	2.575E+03	2.665E+03
30	2.392E+03	2.480E+03	2.569E+03
31	2.301E+03	2.389E+03	2.478E+03
32	2.215E+03	2.302E+03	2.390E+03
33	2.132E+03	2.218E+03	2.306E+03
34	2.053E+03	2.138E+03	2.225E+03
35	1.977E+03	2.061E+03	2.147E+03
36	1.904E+03	1.988E+03	2.073E+03
37	1.835E+03	1.917E+03	2.002E+03
38	1.768E+03	1.849E+03	1.933E+03
39	1.704E+03	1.784E+03	1.867E+03
40	1.643E+03	1.722E+03	1.804E+03
41	1.584E+03	1.662E+03	1.743E+03
42	1.527E+03	1.605E+03	1.684E+03
43	1.473E+03	1.549E+03	1.628E+03
44	1.421E+03	1.496E+03	1.574E+03
45	1.372E+03	1.446E+03	1.522E+03
46	1.324E+03	1.397E+03	1.472E+03
47	1.278E+03	1.350E+03	1.424E+03
48	1.234E+03	1.304E+03	1.378E+03
49	1.192E+03	1.261E+03	1.333E+03
50	1.151E+03	1.219E+03	1.290E+03

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B(T1℃/T2℃)	3470 K	B+TOLERANCE(K)	104.1	B-TOLERANCE(K)	104.1

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	1.151E+03	1.219E+03	1.290E+03
51	1.112E+03	1.179E+03	1.249E+03
52	1.075E+03	1.141E+03	1.209E+03
53	1.039E+03	1.103E+03	1.171E+03
54	1.004E+03	1.068E+03	1.134E+03
55	9.709E+02	1.033E+03	1.099E+03
56	9.390E+02	1.000E+03	1.065E+03
57	9.082E+02	9.685E+02	1.032E+03
58	8.786E+02	9.379E+02	1.000E+03
59	8.501E+02	9.083E+02	9.696E+02
60	8.227E+02	8.799E+02	9.401E+02
61	7.964E+02	8.525E+02	9.117E+02
62	7.710E+02	8.261E+02	8.843E+02
63	7.466E+02	8.006E+02	8.578E+02
64	7.230E+02	7.761E+02	8.323E+02
65	7.003E+02	7.524E+02	8.077E+02
66	6.785E+02	7.296E+02	7.839E+02
67	6.574E+02	7.076E+02	7.609E+02
68	6.371E+02	6.863E+02	7.387E+02
69	6.175E+02	6.658E+02	7.173E+02
70	5.986E+02	6.461E+02	6.966E+02
71	5.804E+02	6.270E+02	6.766E+02
72	5.629E+02	6.085E+02	6.573E+02
73	5.459E+02	5.907E+02	6.386E+02
74	5.296E+02	5.735E+02	6.206E+02
75	5.138E+02	5.569E+02	6.031E+02
76	4.986E+02	5.409E+02	5.862E+02
77	4.838E+02	5.254E+02	5.699E+02
78	4.696E+02	5.104E+02	5.541E+02
79	4.559E+02	4.959E+02	5.388E+02
80	4.426E+02	4.818E+02	5.240E+02
81	4.298E+02	4.683E+02	5.097E+02
82	4.174E+02	4.551E+02	4.958E+02
83	4.054E+02	4.424E+02	4.824E+02
84	3.939E+02	4.301E+02	4.694E+02
85	3.827E+02	4.183E+02	4.568E+02
86	3.718E+02	4.068E+02	4.446E+02
87	3.614E+02	3.956E+02	4.327E+02
88	3.512E+02	3.848E+02	4.213E+02
89	3.414E+02	3.744E+02	4.102E+02
90	3.320E+02	3.643E+02	3.994E+02
91	3.228E+02	3.545E+02	3.890E+02
92	3.139E+02	3.450E+02	3.789E+02
93	3.053E+02	3.358E+02	3.691E+02
94	2.970E+02	3.269E+02	3.596E+02
95	2.889E+02	3.183E+02	3.504E+02
96	2.811E+02	3.100E+02	3.414E+02
97	2.736E+02	3.019E+02	3.328E+02
98	2.663E+02	2.940E+02	3.244E+02
99	2.592E+02	2.864E+02	3.162E+02
100	2.523E+02	2.791E+02	3.083E+02

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	2.523E+02	2.791E+02	3.083E+02
101	2.457E+02	2.719E+02	3.007E+02
102	2.393E+02	2.650E+02	2.932E+02
103	2.330E+02	2.583E+02	2.860E+02
104	2.270E+02	2.518E+02	2.790E+02
105	2.211E+02	2.455E+02	2.722E+02
106	2.155E+02	2.393E+02	2.656E+02
107	2.099E+02	2.334E+02	2.592E+02
108	2.046E+02	2.276E+02	2.529E+02
109	1.994E+02	2.220E+02	2.468E+02
110	1.943E+02	2.165E+02	2.409E+02
111	1.894E+02	2.112E+02	2.352E+02
112	1.847E+02	2.060E+02	2.296E+02
113	1.801E+02	2.010E+02	2.242E+02
114	1.756E+02	1.961E+02	2.189E+02
115	1.712E+02	1.914E+02	2.138E+02
116	1.670E+02	1.868E+02	2.088E+02
117	1.629E+02	1.824E+02	2.039E+02
118	1.589E+02	1.780E+02	1.992E+02
119	1.551E+02	1.738E+02	1.946E+02
120	1.513E+02	1.697E+02	1.902E+02
121	1.477E+02	1.657E+02	1.859E+02
122	1.441E+02	1.619E+02	1.817E+02
123	1.407E+02	1.581E+02	1.776E+02
124	1.373E+02	1.545E+02	1.736E+02
125	1.341E+02	1.509E+02	1.697E+02
126	1.309E+02	1.475E+02	1.659E+02
127	1.279E+02	1.441E+02	1.622E+02
128	1.249E+02	1.408E+02	1.586E+02
129	1.220E+02	1.376E+02	1.552E+02
130	1.191E+02	1.345E+02	1.518E+02
131	1.164E+02	1.315E+02	1.484E+02
132	1.137E+02	1.286E+02	1.452E+02
133	1.111E+02	1.257E+02	1.421E+02
134	1.086E+02	1.229E+02	1.390E+02
135	1.061E+02	1.202E+02	1.360E+02
136	1.037E+02	1.176E+02	1.331E+02
137	1.014E+02	1.150E+02	1.303E+02
138	9.913E+01	1.125E+02	1.275E+02
139	9.692E+01	1.100E+02	1.248E+02
140	9.477E+01	1.077E+02	1.222E+02
141	9.267E+01	1.054E+02	1.197E+02
142	9.063E+01	1.031E+02	1.172E+02
143	8.864E+01	1.009E+02	1.147E+02
144	8.670E+01	9.874E+01	1.124E+02
145	8.481E+01	9.665E+01	1.100E+02
146	8.297E+01	9.461E+01	1.078E+02
147	8.118E+01	9.262E+01	1.056E+02
148	7.943E+01	9.068E+01	1.034E+02
149	7.773E+01	8.879E+01	1.013E+02
150	7.607E+01	8.695E+01	9.928E+01