

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	MN18-3G502H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	5000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B (T1°C/T2°C)	3470 K	B+TOLERANCE (K)	104.1	B-TOLERANCE (K)	104.1

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	9.530E+04	1.083E+05	1.229E+05
-39	9.011E+04	1.022E+05	1.158E+05
-38	8.523E+04	9.648E+04	1.091E+05
-37	8.064E+04	9.112E+04	1.029E+05
-36	7.634E+04	8.610E+04	9.701E+04
-35	7.229E+04	8.138E+04	9.153E+04
-34	6.849E+04	7.696E+04	8.640E+04
-33	6.491E+04	7.280E+04	8.159E+04
-32	6.154E+04	6.890E+04	7.707E+04
-31	5.837E+04	6.523E+04	7.284E+04
-30	5.538E+04	6.179E+04	6.887E+04
-29	5.257E+04	5.855E+04	6.515E+04
-28	4.992E+04	5.550E+04	6.165E+04
-27	4.742E+04	5.263E+04	5.836E+04
-26	4.506E+04	4.992E+04	5.526E+04
-25	4.283E+04	4.737E+04	5.235E+04
-24	4.072E+04	4.497E+04	4.961E+04
-23	3.873E+04	4.270E+04	4.703E+04
-22	3.685E+04	4.056E+04	4.459E+04
-21	3.507E+04	3.854E+04	4.230E+04
-20	3.339E+04	3.663E+04	4.014E+04
-19	3.180E+04	3.483E+04	3.811E+04
-18	3.029E+04	3.312E+04	3.619E+04
-17	2.887E+04	3.151E+04	3.437E+04
-16	2.752E+04	2.999E+04	3.266E+04
-15	2.624E+04	2.855E+04	3.104E+04
-14	2.502E+04	2.719E+04	2.952E+04
-13	2.387E+04	2.590E+04	2.807E+04
-12	2.278E+04	2.468E+04	2.671E+04
-11	2.175E+04	2.352E+04	2.542E+04
-10	2.076E+04	2.242E+04	2.419E+04
-9	1.983E+04	2.138E+04	2.304E+04
-8	1.894E+04	2.039E+04	2.194E+04
-7	1.810E+04	1.946E+04	2.090E+04
-6	1.730E+04	1.857E+04	1.992E+04
-5	1.654E+04	1.773E+04	1.899E+04
-4	1.582E+04	1.694E+04	1.811E+04
-3	1.514E+04	1.618E+04	1.728E+04
-2	1.448E+04	1.546E+04	1.649E+04
-1	1.386E+04	1.478E+04	1.574E+04
0	1.327E+04	1.413E+04	1.503E+04

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	1.327E+04	1.413E+04	1.503E+04
1	1.271E+04	1.351E+04	1.435E+04
2	1.218E+04	1.293E+04	1.371E+04
3	1.167E+04	1.237E+04	1.310E+04
4	1.119E+04	1.184E+04	1.253E+04
5	1.073E+04	1.134E+04	1.198E+04
6	1.029E+04	1.086E+04	1.145E+04
7	9.867E+03	1.040E+04	1.096E+04
8	9.467E+03	9.968E+03	1.049E+04
9	9.085E+03	9.553E+03	1.004E+04
10	8.720E+03	9.158E+03	9.609E+03
11	8.372E+03	8.781E+03	9.201E+03
12	8.040E+03	8.422E+03	8.814E+03
13	7.723E+03	8.079E+03	8.444E+03
14	7.420E+03	7.752E+03	8.093E+03
15	7.131E+03	7.441E+03	7.757E+03
16	6.854E+03	7.143E+03	7.438E+03
17	6.590E+03	6.859E+03	7.133E+03
18	6.337E+03	6.588E+03	6.843E+03
19	6.095E+03	6.329E+03	6.566E+03
20	5.864E+03	6.082E+03	6.302E+03
21	5.643E+03	5.846E+03	6.050E+03
22	5.432E+03	5.620E+03	5.809E+03
23	5.229E+03	5.404E+03	5.579E+03
24	5.036E+03	5.197E+03	5.360E+03
25	4.850E+03	5.000E+03	5.150E+03
26	4.661E+03	4.811E+03	4.961E+03
27	4.481E+03	4.630E+03	4.781E+03
28	4.309E+03	4.458E+03	4.607E+03
29	4.144E+03	4.292E+03	4.441E+03
30	3.987E+03	4.134E+03	4.282E+03
31	3.836E+03	3.982E+03	4.130E+03
32	3.692E+03	3.836E+03	3.983E+03
33	3.554E+03	3.697E+03	3.843E+03
34	3.422E+03	3.564E+03	3.708E+03
35	3.295E+03	3.436E+03	3.579E+03
36	3.174E+03	3.313E+03	3.455E+03
37	3.058E+03	3.195E+03	3.336E+03
38	2.947E+03	3.082E+03	3.222E+03
39	2.840E+03	2.974E+03	3.112E+03
40	2.738E+03	2.870E+03	3.006E+03
41	2.640E+03	2.770E+03	2.905E+03
42	2.546E+03	2.674E+03	2.807E+03
43	2.456E+03	2.582E+03	2.713E+03
44	2.369E+03	2.494E+03	2.623E+03
45	2.286E+03	2.409E+03	2.537E+03
46	2.207E+03	2.328E+03	2.453E+03
47	2.130E+03	2.249E+03	2.373E+03
48	2.057E+03	2.174E+03	2.296E+03
49	1.986E+03	2.102E+03	2.222E+03
50	1.919E+03	2.032E+03	2.150E+03

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

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	1.919E+03	2.032E+03	2.150E+03
51	1.854E+03	1.965E+03	2.082E+03
52	1.791E+03	1.901E+03	2.016E+03
53	1.731E+03	1.839E+03	1.952E+03
54	1.674E+03	1.780E+03	1.891E+03
55	1.618E+03	1.722E+03	1.832E+03
56	1.565E+03	1.667E+03	1.775E+03
57	1.514E+03	1.614E+03	1.720E+03
58	1.464E+03	1.563E+03	1.667E+03
59	1.417E+03	1.514E+03	1.616E+03
60	1.371E+03	1.466E+03	1.567E+03
61	1.327E+03	1.421E+03	1.520E+03
62	1.285E+03	1.377E+03	1.474E+03
63	1.244E+03	1.334E+03	1.430E+03
64	1.205E+03	1.293E+03	1.387E+03
65	1.167E+03	1.254E+03	1.346E+03
66	1.131E+03	1.216E+03	1.306E+03
67	1.096E+03	1.179E+03	1.268E+03
68	1.062E+03	1.144E+03	1.231E+03
69	1.029E+03	1.110E+03	1.196E+03
70	9.977E+02	1.077E+03	1.161E+03
71	9.674E+02	1.045E+03	1.128E+03
72	9.381E+02	1.014E+03	1.096E+03
73	9.099E+02	9.846E+02	1.064E+03
74	8.826E+02	9.559E+02	1.034E+03
75	8.563E+02	9.282E+02	1.005E+03
76	8.309E+02	9.015E+02	9.771E+02
77	8.064E+02	8.756E+02	9.499E+02
78	7.827E+02	8.506E+02	9.235E+02
79	7.598E+02	8.264E+02	8.980E+02
80	7.377E+02	8.030E+02	8.734E+02
81	7.164E+02	7.804E+02	8.495E+02
82	6.957E+02	7.585E+02	8.263E+02
83	6.757E+02	7.374E+02	8.039E+02
84	6.564E+02	7.169E+02	7.823E+02
85	6.378E+02	6.971E+02	7.613E+02
86	6.197E+02	6.779E+02	7.409E+02
87	6.023E+02	6.594E+02	7.212E+02
88	5.854E+02	6.414E+02	7.021E+02
89	5.691E+02	6.240E+02	6.836E+02
90	5.533E+02	6.072E+02	6.657E+02
91	5.380E+02	5.909E+02	6.483E+02
92	5.232E+02	5.750E+02	6.315E+02
93	5.089E+02	5.597E+02	6.151E+02
94	4.950E+02	5.449E+02	5.993E+02
95	4.816E+02	5.305E+02	5.840E+02
96	4.686E+02	5.166E+02	5.691E+02
97	4.560E+02	5.031E+02	5.546E+02
98	4.438E+02	4.901E+02	5.406E+02
99	4.320E+02	4.774E+02	5.271E+02
100	4.206E+02	4.651E+02	5.139E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	4.206E+02	4.651E+02	5.139E+02
101	4.095E+02	4.532E+02	5.011E+02
102	3.988E+02	4.417E+02	4.887E+02
103	3.884E+02	4.305E+02	4.767E+02
104	3.783E+02	4.196E+02	4.650E+02
105	3.686E+02	4.091E+02	4.537E+02
106	3.591E+02	3.989E+02	4.426E+02
107	3.499E+02	3.889E+02	4.319E+02
108	3.410E+02	3.793E+02	4.215E+02
109	3.323E+02	3.699E+02	4.114E+02
110	3.239E+02	3.608E+02	4.016E+02
111	3.157E+02	3.520E+02	3.920E+02
112	3.078E+02	3.434E+02	3.827E+02
113	3.001E+02	3.350E+02	3.736E+02
114	2.926E+02	3.269E+02	3.648E+02
115	2.854E+02	3.190E+02	3.563E+02
116	2.783E+02	3.114E+02	3.480E+02
117	2.715E+02	3.039E+02	3.399E+02
118	2.649E+02	2.967E+02	3.321E+02
119	2.584E+02	2.897E+02	3.244E+02
120	2.522E+02	2.829E+02	3.170E+02
121	2.461E+02	2.762E+02	3.098E+02
122	2.402E+02	2.698E+02	3.028E+02
123	2.345E+02	2.635E+02	2.959E+02
124	2.289E+02	2.574E+02	2.893E+02
125	2.235E+02	2.515E+02	2.828E+02
126	2.182E+02	2.458E+02	2.765E+02
127	2.131E+02	2.401E+02	2.704E+02
128	2.081E+02	2.347E+02	2.644E+02
129	2.033E+02	2.294E+02	2.586E+02
130	1.986E+02	2.242E+02	2.529E+02
131	1.940E+02	2.192E+02	2.474E+02
132	1.895E+02	2.143E+02	2.420E+02
133	1.852E+02	2.095E+02	2.368E+02
134	1.810E+02	2.049E+02	2.317E+02
135	1.769E+02	2.004E+02	2.267E+02
136	1.729E+02	1.960E+02	2.219E+02
137	1.690E+02	1.917E+02	2.172E+02
138	1.652E+02	1.875E+02	2.126E+02
139	1.615E+02	1.834E+02	2.081E+02
140	1.579E+02	1.794E+02	2.037E+02
141	1.544E+02	1.756E+02	1.994E+02
142	1.510E+02	1.718E+02	1.953E+02
143	1.477E+02	1.681E+02	1.912E+02
144	1.445E+02	1.646E+02	1.873E+02
145	1.414E+02	1.611E+02	1.834E+02
146	1.383E+02	1.577E+02	1.796E+02
147	1.353E+02	1.544E+02	1.760E+02
148	1.324E+02	1.511E+02	1.724E+02
149	1.296E+02	1.480E+02	1.689E+02
150	1.268E+02	1.449E+02	1.655E+02