NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7C993F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	98630 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	4036 K	B+TOLERANCE(K)	40.36	B-TOLERANCE(K)	40.36

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	3.510E+06	3.681E+06	3.861E+06
-39	3.281E+06	3.439E+06	3.604E+06
-38	3.068E+06	3.213E+06	3.365E+06
-37	2.871E+06	3.004E+06	3.144E+06
-36	2.687E+06	2.810E+06	2.939E+06
-35	2.517E+06	2.630E+06	2.749E+06
-34	2.358E+06	2.463E+06	2.572E+06
-33	2.210E+06	2.307E+06	2.407E+06
-32	2.073E+06	2.162E+06	2.254E+06
-31	1.945E+06	2.027E+06	2.112E+06
-30	1.825E+06	1.901E+06	1.980E+06
-29	1.714E+06	1.784E+06	1.857E+06
-28	1.611E+06	1.675E+06	1.742E+06
-27	1.514E+06	1.573E+06	1.635E+06
-26	1.423E+06	1.478E+06	1.536E+06
-25	1.339E+06	1.390E+06	1.442E+06
-24	1.260E+06	1.307E+06	1.356E+06
-23	1.186E+06	1.229E+06	1.274E+06
-22	1.117E+06	1.157E+06	1.199E+06
-21	1.052E+06	1.089E+06	1.128E+06
-20	9.915E+05	1.026E+06	1.061E+06
-19	9.347E+05	9.665E+05	9.993E+05
-18	8.815E+05	9.109E+05	9.413E+05
-17	8.316E+05	8.588E+05	8.869E+05
-16	7.848E+05	8.101E+05	8.360E+05
-15	7.410E+05	7.643E+05	7.883E+05
-14	6.998E+05	7.214E+05	7.437E+05
-13	6.612E+05	6.812E+05	7.018E+05
-12	6.249E+05	6.435E+05	6.625E+05
-11	5.909E+05	6.080E+05	6.256E+05
-10	5.588E+05	5.747E+05	5.910E+05
-9	5.287E+05	5.435E+05	5.585E+05
-8	5.004E+05	5.141E+05	5.280E+05
-7	4.738E+05	4.864E+05	4.994E+05
-6	4.487E+05	4.604E+05	4.724E+05
-5	4.252E+05	4.360E+05	4.471E+05
-4	4.030E+05	4.130E+05	4.233E+05
-3	3.820E+05	3.913E+05	4.008E+05
-2	3.623E+05	3.710E+05	3.798E+05
-1	3.438E+05	3.517E+05	3.599E+05
0	3.262E+05	3.336E+05	3.412E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.262E+05	3.336E+05	3.412E+05
1	3.097E+05	3.166E+05	3.235E+05
2	2.941E+05	3.005E+05	3.069E+05
3	2.794E+05	2.853E+05	2.913E+05
4	2.655E+05	2.710E+05	2.765E+05
5	2.524E+05	2.574E+05	2.626E+05
6	2.400E+05	2.447E+05	2.494E+05
7	2.283E+05	2.326E+05	2.370E+05
8	2.172E+05	2.212E+05	2.253E+05
9	2.067E+05	2.104E+05	2.142E+05
10	1.968E+05	2.003E+05	2.037E+05
11	1.875E+05	1.906E+05	1.938E+05
12	1.786E+05	1.815E+05	1.845E+05
13	1.702E+05	1.729E+05	1.756E+05
14	1.622E+05	1.647E+05	1.672E+05
15	1.547E+05	1.570E+05	1.593E+05
16	1.475E+05	1.497E+05	1.518E+05
17	1.408E+05	1.427E+05	1.447E+05
18	1.343E+05	1.361E+05	1.380E+05
19	1.283E+05	1.299E+05	1.316E+05
20	1.225E+05	1.240E+05	1.255E+05
21	1.170E+05	1.184E+05	1.198E+05
22	1.118E+05	1.130E+05	1.143E+05
23	1.068E+05	1.080E+05	1.092E+05
24	1.021E+05	1.032E+05	1.043E+05
25	9.764E+04	9.863E+04	9.962E+04
26	9.331E+04	9.430E+04	9.528E+04
27	8.920E+04	9.018E+04	9.116E+04
28	8.529E+04	8.626E+04	8.724E+04
29	8.157E+04	8.254E+04	8.352E+04
30	7.803E+04	7.900E+04	7.997E+04
31	7.467E+04	7.563E+04	7.659E+04
32	7.148E+04	7.242E+04	7.337E+04
33	6.843E+04	6.937E+04	7.031E+04
34	6.554E+04	6.646E+04	6.739E+04
35	6.278E+04	6.369E+04	6.461E+04
36	6.015E+04	6.105E+04	6.196E+04
37	5.765E+04	5.854E+04	5.943E+04
38	5.526E+04	5.614E+04	5.702E+04
39	5.299E+04	5.385E+04	5.472E+04
40	5.082E+04	5.167E+04	5.253E+04
41	4.876E+04	4.959E+04	5.043E+04
42	4.678E+04	4.760E+04	4.843E+04
43	4.490E+04	4.571E+04	4.652E+04
44	4.311E+04	4.390E+04	4.470E+04
45	4.139E+04	4.217E+04	4.295E+04
46	3.975E+04	4.052E+04	4.129E+04
47	3.819E+04	3.894E+04	3.969E+04
48	3.670E+04	3.743E+04	3.817E+04
49	3.527E+04	3.599E+04	3.672E+04
50	3.391E+04	3.461E+04	3.532E+04

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7C993F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	98630 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	4036 K	B+TOLERANCE(K)	40.36	B-TOLERANCE(K)	40.36

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	3.391E+04	3.461E+04	3.532E+04
51	3.260E+04	3.329E+04	3.399E+04
52	3.136E+04	3.203E+04	3.272E+04
53	3.016E+04	3.082E+04	3.150E+04
54	2.902E+04	2.967E+04	3.033E+04
55	2.793E+04	2.856E+04	2.921E+04
56	2.688E+04	2.750E+04	2.814E+04
57	2.588E+04	2.649E+04	2.711E+04
58	2.493E+04	2.552E+04	2.613E+04
59	2.401E+04	2.459E+04	2.518E+04
60	2.313E+04	2.370E+04	2.428E+04
61	2.229E+04	2.284E+04	2.341E+04
62	2.148E+04	2.202E+04	2.258E+04
63	2.070E+04	2.124E+04	2.178E+04
64	1.996E+04	2.048E+04	2.101E+04
65	1.925E+04	1.976E+04	2.028E+04
66	1.857E+04	1.906E+04	1.957E+04
67	1.791E+04	1.840E+04	1.889E+04
68	1.728E+04	1.776E+04	1.824E+04
69	1.668E+04	1.714E+04	1.762E+04
70	1.610E+04	1.655E+04	1.702E+04
71	1.554E+04	1.598E+04	1.644E+04
72	1.501E+04	1.544E+04	1.588E+04
73	1.449E+04	1.492E+04	1.535E+04
74	1.400E+04	1.441E+04	1.484E+04
75	1.352E+04	1.393E+04	1.434E+04
76	1.307E+04	1.346E+04	1.387E+04
77	1.263E+04	1.302E+04	1.341E+04
78	1.221E+04	1.259E+04	1.297E+04
79	1.180E+04	1.217E+04	1.255E+04
80	1.141E+04	1.177E+04	1.215E+04
81	1.104E+04	1.139E+04	1.175E+04
82	1.068E+04	1.102E+04	1.138E+04
83	1.033E+04	1.067E+04	1.101E+04
84	9.996E+03	1.033E+04	1.066E+04
85	9.675E+03	9.996E+03	1.033E+04
86	9.365E+03	9.679E+03	1.000E+04
87	9.066E+03	9.374E+03	9.691E+03
88	8.779E+03	9.079E+03	9.389E+03
89	8.502E+03	8.795E+03	9.098E+03
90	8.235E+03	8.522E+03	8.818E+03
91	7.977E+03	8.258E+03	8.548E+03
92	7.729E+03	8.003E+03	8.287E+03
93	7.490E+03	7.758E+03	8.035E+03
94	7.259E+03	7.521E+03	7.792E+03
95	7.036E+03	7.293E+03	7.558E+03
96	6.822E+03	7.072E+03	7.331E+03
97	6.614E+03	6.859E+03	7.113E+03
98	6.414E+03	6.654E+03	6.902E+03
99	6.221E+03	6.456E+03	6.698E+03
100	6.035E+03	6.264E+03	6.501E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	6.035E+03	6.264E+03	6.501E+03
101	5.855E+03	6.079E+03	6.311E+03
102	5.681E+03	5.900E+03	6.127E+03
103	5.513E+03	5.728E+03	5.950E+03
104	5.351E+03	5.561E+03	5.778E+03
105	5.195E+03	5.400E+03	5.612E+03
106	5.043E+03	5.244E+03	5.452E+03
107	4.897E+03	5.093E+03	5.297E+03
108	4.756E+03	4.948E+03	5.147E+03
109	4.620E+03	4.807E+03	5.002E+03
110	4.488E+03	4.671E+03	4.862E+03
111	4.360E+03	4.540E+03	4.726E+03
112	4.237E+03	4.413E+03	4.595E+03
113	4.118E+03	4.289E+03	4.468E+03
114	4.002E+03	4.170E+03	4.345E+03
115	3.891E+03	4.055E+03	4.226E+03
116	3.783E+03	3.944E+03	4.111E+03
117	3.678E+03	3.836E+03	4.000E+03
118	3.577E+03	3.732E+03	3.892E+03
119	3.479E+03	3.630E+03	3.788E+03
120	3.385E+03	3.533E+03	3.686E+03
121	3.293E+03	3.438E+03	3.589E+03
122	3.204E+03	3.346E+03	3.494E+03
123	3.119E+03	3.257E+03	3.402E+03
124	3.035E+03	3.171E+03	3.313E+03
125	2.955E+03	3.088E+03	3.226E+03
126	2.876E+03	3.007E+03	3.143E+03
127	2.801E+03	2.928E+03	3.061E+03
128	2.727E+03	2.852E+03	2.983E+03
129	2.656E+03	2.779E+03	2.906E+03
130	2.587E+03	2.707E+03	2.832E+03
131	2.520E+03	2.638E+03	2.760E+03
132	2.455E+03	2.570E+03	2.690E+03
133	2.392E+03	2.505E+03	2.623E+03
134	2.331E+03	2.441E+03	2.557E+03
135	2.272E+03	2.380E+03	2.493E+03
136	2.214E+03	2.320E+03	2.431E+03
137	2.158E+03	2.262E+03	2.371E+03
138	2.104E+03	2.206E+03	2.313E+03
139	2.052E+03	2.152E+03	2.256E+03
140	2.001E+03	2.099E+03	2.201E+03
141	1.951E+03	2.047E+03	2.148E+03
142	1.903E+03	1.997E+03	2.096E+03
143	1.857E+03	1.949E+03	2.045E+03
144	1.812E+03	1.902E+03	1.997E+03
145	1.768E+03	1.856E+03	1.949E+03
146	1.725E+03	1.812E+03	1.903E+03
147	1.683E+03	1.769E+03	1.858E+03
148	1.643E+03	1.727E+03	1.814E+03
149	1.604E+03	1.686E+03	1.772E+03
150	1.566E+03	1.646E+03	1.730E+03

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7C993F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	98630 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	4036 K	B+TOLERANCE(K)	40.36	B-TOLERANCE(K)	40.36

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
150	1.566E+03	1.646E+03	1.730E+03
151	1.529E+03	1.607E+03	1.690E+03
152	1.493E+03	1.570E+03	1.651E+03
153	1.458E+03	1.533E+03	1.613E+03
154	1.424E+03	1.498E+03	1.576E+03
155	1.390E+03	1.463E+03	1.540E+03
156	1.358E+03	1.430E+03	1.505E+03
157	1.327E+03	1.397E+03	1.471E+03
158	1.296E+03	1.365E+03	1.438E+03
159	1.267E+03	1.334E+03	1.406E+03
160	1.238E+03	1.304E+03	1.374E+03
161	1.210E+03	1.275E+03	1.344E+03
162	1.183E+03	1.247E+03	1.314E+03
163	1.156E+03	1.219E+03	1.285E+03
164	1.131E+03	1.192E+03	1.257E+03
165	1.105E+03	1.166E+03	1.230E+03
166	1.081E+03	1.140E+03	1.203E+03
167	1.057E+03	1.115E+03	1.177E+03
168	1.034E+03	1.091E+03	1.152E+03
169	1.011E+03	1.068E+03	1.127E+03
170	9.893E+02	1.045E+03	1.103E+03
171	9.678E+02	1.022E+03	1.079E+03
172	9.468E+02	1.000E+03	1.056E+03
173	9.265E+02	9.788E+02	1.034E+03
174	9.066E+02	9.580E+02	1.012E+03
175	8.872E+02	9.377E+02	9.910E+02
176	8.684E+02	9.180E+02	9.704E+02
177	8.500E+02	8.988E+02	9.502E+02
178	8.321E+02	8.800E+02	9.306E+02
179	8.147E+02	8.618E+02	9.114E+02
180	7.977E+02	8.439E+02	8.928E+02
181	7.812E+02	8.266E+02	8.746E+02
182	7.650E+02	8.097E+02	8.569E+02
183	7.493E+02	7.932E+02	8.396E+02
184	7.340E+02	7.771E+02	8.227E+02
185	7.190E+02	7.614E+02	8.063E+02
186	7.044E+02	7.461E+02	7.902E+02
187	6.902E+02	7.312E+02	7.745E+02
188	6.763E+02	7.166E+02	7.592E+02
189	6.627E+02	7.023E+02	7.442E+02
190	6.494E+02	6.884E+02	7.296E+02
191	6.365E+02	6.748E+02	7.154E+02
192	6.239E+02	6.616E+02	7.014E+02
193	6.115E+02	6.486E+02	6.878E+02
194	5.995E+02	6.360E+02	6.746E+02
195	5.877E+02	6.236E+02	6.616E+02
196	5.763E+02	6.115E+02	6.489E+02
197	5.651E+02	5.997E+02	6.365E+02
198	5.541E+02	5.882E+02	6.244E+02
199	5.434E+02	5.770E+02	6.126E+02
200	5.330E+02	5.660E+02	6.010E+02

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
200	5.330E+02	5.660E+02	6.010E+02
201	5.227E+02	5.552E+02	5.897E+02
202	5.127E+02	5.447E+02	5.786E+02
203	5.030E+02	5.344E+02	5.678E+02
204	4.934E+02	5.244E+02	5.572E+02
205	4.841E+02	5.146E+02	5.469E+02
206	4.750E+02	5.050E+02	5.368E+02
207	4.661E+02	4.956E+02	5.269E+02
208	4.574E+02	4.865E+02	5.173E+02
209	4.490E+02	4.775E+02	5.079E+02
210	4.407E+02	4.688E+02	4.987E+02
211	4.326E+02	4.603E+02	4.897E+02
212	4.247E+02	4.520E+02	4.809E+02
213	4.170E+02	4.438E+02	4.723E+02
214	4.094E+02	4.359E+02	4.639E+02
215	4.020E+02	4.281E+02	4.557E+02
216	3.948E+02	4.204E+02	4.477E+02
217	3.877E+02	4.130E+02	4.398E+02
218	3.808E+02	4.057E+02	4.321E+02
219	3.740E+02	3.985E+02	4.246E+02
220	3.674E+02	3.915E+02	4.172E+02
221	3.609E+02	3.847E+02	4.100E+02
222	3.546E+02	3.780E+02	4.029E+02
223	3.484E+02	3.714E+02	3.960E+02
224	3.423E+02	3.650E+02	3.892E+02
225	3.363E+02	3.587E+02	3.825E+02
226	3.305E+02	3.526E+02	3.760E+02
227	3.248E+02	3.465E+02	3.697E+02
228	3.192E+02	3.406E+02	3.634E+02
229	3.137E+02	3.348E+02	3.573E+02
230	3.084E+02	3.292E+02	3.513E+02
231	3.031E+02	3.236E+02	3.454E+02
232	2.980E+02	3.182E+02	3.397E+02
233	2.930E+02	3.129E+02	3.341E+02
234	2.880E+02	3.076E+02	3.285E+02
235	2.832E+02	3.025E+02	3.231E+02
236	2.785E+02	2.975E+02	3.178E+02
237	2.738E+02	2.926E+02	3.126E+02
238	2.693E+02	2.878E+02	3.076E+02
239	2.649E+02	2.831E+02	3.026E+02
240	2.605E+02	2.785E+02	2.977E+02
241	2.562E+02	2.739E+02	2.929E+02
242	2.520E+02	2.695E+02	2.882E+02
243	2.479E+02	2.652E+02	2.836E+02
244	2.439E+02	2.609E+02	2.790E+02
245	2.399E+02	2.567E+02	2.746E+02
246	2.361E+02	2.526E+02	2.703E+02
247	2.323E+02	2.486E+02	2.660E+02
248	2.286E+02	2.446E+02	2.618E+02
249	2.249E+02	2.408E+02	2.577E+02
250	2.213E+02	2.370E+02	2.537E+02

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7C993F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	98630 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	4036 K	B+TOLERANCE(K)	40.36	B-TOLERANCE(K)	40.36

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
250	2.213E+02	2.370E+02	2.537E+02
251	2.178E+02	2.333E+02	2.497E+02
252	2.144E+02	2.296E+02	2.459E+02
253	2.110E+02	2.260E+02	2.421E+02
254	2.077E+02	2.225E+02	2.384E+02
255	2.045E+02	2.191E+02	2.347E+02
256	2.013E+02	2.157E+02	2.311E+02
257	1.982E+02	2.124E+02	2.276E+02
258	1.951E+02	2.091E+02	2.241E+02
259	1.921E+02	2.059E+02	2.207E+02
260	1.891E+02	2.028E+02	2.174E+02
261	1.862E+02	1.997E+02	2.141E+02
262	1.834E+02	1.967E+02	2.109E+02
263	1.806E+02	1.937E+02	2.078E+02
264	1.779E+02	1.908E+02	2.047E+02
265	1.752E+02	1.880E+02	2.017E+02
266	1.725E+02	1.852E+02	1.987E+02
267	1.700E+02	1.824E+02	1.957E+02
268	1.674E+02	1.797E+02	1.929E+02
269	1.649E+02	1.770E+02	1.900E+02
270	1.625E+02	1.744E+02	1.873E+02
271	1.600E+02	1.719E+02	1.845E+02
272	1.577E+02	1.693E+02	1.819E+02
273	1.554E+02	1.669E+02	1.792E+02
274	1.531E+02	1.644E+02	1.766E+02
275	1.508E+02	1.621E+02	1.741E+02
276	1.486E+02	1.597E+02	1.716E+02
277	1.465E+02	1.574E+02	1.692E+02
278	1.444E+02	1.552E+02	1.668E+02
279	1.423E+02	1.530E+02	1.644E+02
280	1.403E+02	1.508E+02	1.621E+02
281	1.383E+02	1.487E+02	1.599E+02
282	1.363E+02	1.466E+02	1.576E+02
283	1.344E+02	1.446E+02	1.555E+02
284	1.325E+02	1.425E+02	1.533E+02
285	1.307E+02	1.406E+02	1.512E+02
286	1.288E+02	1.386E+02	1.491E+02
287	1.270E+02	1.367E+02	1.471E+02
288	1.253E+02	1.348E+02	1.451E+02
289	1.236E+02	1.330E+02	1.431E+02
290	1.219E+02	1.312E+02	1.412E+02
291	1.202E+02	1.294E+02	1.393E+02
292	1.185E+02	1.277E+02	1.374E+02
293	1.169E+02	1.259E+02	1.356E+02
294	1.153E+02	1.242E+02	1.338E+02
295	1.138E+02	1.226E+02	1.320E+02
296	1.122E+02	1.209E+02	1.303E+02
297	1.107E+02	1.193E+02	1.285E+02
298	1.093E+02	1.177E+02	1.269E+02
299	1.078E+02	1.162E+02	1.252E+02
300	1.064E+02	1.146E+02	1.236E+02

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)