

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7E145H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	1388000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B(T1°C/T2°C)	4460 K	B+TOLERANCE (K)	133.8	B-TOLERANCE (K)	133.8

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	5.778E+07	6.750E+07	7.879E+07
-39	5.391E+07	6.283E+07	7.316E+07
-38	5.033E+07	5.851E+07	6.797E+07
-37	4.700E+07	5.451E+07	6.317E+07
-36	4.391E+07	5.081E+07	5.873E+07
-35	4.104E+07	4.737E+07	5.463E+07
-34	3.837E+07	4.419E+07	5.084E+07
-33	3.589E+07	4.124E+07	4.734E+07
-32	3.358E+07	3.850E+07	4.409E+07
-31	3.144E+07	3.595E+07	4.108E+07
-30	2.944E+07	3.359E+07	3.830E+07
-29	2.758E+07	3.140E+07	3.571E+07
-28	2.584E+07	2.936E+07	3.332E+07
-27	2.423E+07	2.746E+07	3.110E+07
-26	2.272E+07	2.570E+07	2.904E+07
-25	2.132E+07	2.406E+07	2.712E+07
-24	2.001E+07	2.253E+07	2.535E+07
-23	1.879E+07	2.111E+07	2.370E+07
-22	1.764E+07	1.978E+07	2.216E+07
-21	1.658E+07	1.855E+07	2.074E+07
-20	1.558E+07	1.740E+07	1.941E+07
-19	1.465E+07	1.632E+07	1.817E+07
-18	1.378E+07	1.532E+07	1.702E+07
-17	1.297E+07	1.439E+07	1.595E+07
-16	1.220E+07	1.352E+07	1.495E+07
-15	1.149E+07	1.270E+07	1.402E+07
-14	1.082E+07	1.194E+07	1.316E+07
-13	1.020E+07	1.123E+07	1.235E+07
-12	9.615E+06	1.056E+07	1.159E+07
-11	9.066E+06	9.941E+06	1.089E+07
-10	8.552E+06	9.358E+06	1.023E+07
-9	8.069E+06	8.813E+06	9.618E+06
-8	7.617E+06	8.303E+06	9.043E+06
-7	7.192E+06	7.825E+06	8.507E+06
-6	6.793E+06	7.377E+06	8.005E+06
-5	6.418E+06	6.957E+06	7.535E+06
-4	6.066E+06	6.564E+06	7.095E+06
-3	5.735E+06	6.194E+06	6.684E+06
-2	5.424E+06	5.848E+06	6.298E+06
-1	5.132E+06	5.522E+06	5.937E+06
0	4.856E+06	5.217E+06	5.598E+06

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	4.856E+06	5.217E+06	5.598E+06
1	4.597E+06	4.930E+06	5.281E+06
2	4.354E+06	4.660E+06	4.983E+06
3	4.124E+06	4.406E+06	4.704E+06
4	3.908E+06	4.168E+06	4.441E+06
5	3.704E+06	3.943E+06	4.195E+06
6	3.511E+06	3.732E+06	3.964E+06
7	3.330E+06	3.534E+06	3.746E+06
8	3.159E+06	3.347E+06	3.542E+06
9	2.998E+06	3.170E+06	3.350E+06
10	2.846E+06	3.004E+06	3.169E+06
11	2.702E+06	2.848E+06	2.999E+06
12	2.566E+06	2.700E+06	2.839E+06
13	2.438E+06	2.561E+06	2.688E+06
14	2.317E+06	2.430E+06	2.546E+06
15	2.202E+06	2.306E+06	2.413E+06
16	2.094E+06	2.189E+06	2.287E+06
17	1.992E+06	2.079E+06	2.168E+06
18	1.895E+06	1.975E+06	2.056E+06
19	1.803E+06	1.876E+06	1.950E+06
20	1.716E+06	1.783E+06	1.851E+06
21	1.634E+06	1.695E+06	1.756E+06
22	1.556E+06	1.612E+06	1.668E+06
23	1.482E+06	1.533E+06	1.584E+06
24	1.413E+06	1.458E+06	1.505E+06
25	1.346E+06	1.388E+06	1.430E+06
26	1.280E+06	1.321E+06	1.363E+06
27	1.217E+06	1.258E+06	1.300E+06
28	1.157E+06	1.198E+06	1.240E+06
29	1.101E+06	1.142E+06	1.183E+06
30	1.047E+06	1.088E+06	1.129E+06
31	9.969E+05	1.037E+06	1.077E+06
32	9.491E+05	9.886E+05	1.029E+06
33	9.038E+05	9.428E+05	9.825E+05
34	8.609E+05	8.993E+05	9.385E+05
35	8.202E+05	8.580E+05	8.967E+05
36	7.817E+05	8.189E+05	8.570E+05
37	7.452E+05	7.817E+05	8.192E+05
38	7.105E+05	7.463E+05	7.833E+05
39	6.776E+05	7.128E+05	7.491E+05
40	6.464E+05	6.809E+05	7.166E+05
41	6.168E+05	6.506E+05	6.856E+05
42	5.887E+05	6.218E+05	6.561E+05
43	5.620E+05	5.944E+05	6.280E+05
44	5.366E+05	5.683E+05	6.013E+05
45	5.125E+05	5.435E+05	5.758E+05
46	4.896E+05	5.199E+05	5.515E+05
47	4.679E+05	4.974E+05	5.284E+05
48	4.472E+05	4.761E+05	5.064E+05
49	4.275E+05	4.557E+05	4.853E+05
50	4.088E+05	4.363E+05	4.653E+05

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7E145H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	1388000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B (T1°C/T2°C)	4460 K	B+TOLERANCE (K)	133.8	B-TOLERANCE (K)	133.8

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	4.088E+05	4.363E+05	4.653E+05
51	3.910E+05	4.178E+05	4.461E+05
52	3.740E+05	4.002E+05	4.279E+05
53	3.579E+05	3.835E+05	4.105E+05
54	3.425E+05	3.675E+05	3.939E+05
55	3.279E+05	3.522E+05	3.780E+05
56	3.140E+05	3.377E+05	3.628E+05
57	3.007E+05	3.238E+05	3.484E+05
58	2.881E+05	3.106E+05	3.345E+05
59	2.760E+05	2.979E+05	3.213E+05
60	2.645E+05	2.859E+05	3.087E+05
61	2.536E+05	2.744E+05	2.966E+05
62	2.432E+05	2.634E+05	2.851E+05
63	2.332E+05	2.529E+05	2.741E+05
64	2.237E+05	2.429E+05	2.635E+05
65	2.146E+05	2.333E+05	2.534E+05
66	2.060E+05	2.242E+05	2.438E+05
67	1.977E+05	2.154E+05	2.345E+05
68	1.898E+05	2.070E+05	2.257E+05
69	1.822E+05	1.990E+05	2.172E+05
70	1.750E+05	1.914E+05	2.090E+05
71	1.681E+05	1.840E+05	2.013E+05
72	1.615E+05	1.770E+05	1.938E+05
73	1.552E+05	1.703E+05	1.866E+05
74	1.492E+05	1.638E+05	1.798E+05
75	1.434E+05	1.577E+05	1.732E+05
76	1.379E+05	1.518E+05	1.669E+05
77	1.326E+05	1.461E+05	1.609E+05
78	1.275E+05	1.407E+05	1.551E+05
79	1.227E+05	1.355E+05	1.495E+05
80	1.180E+05	1.305E+05	1.442E+05
81	1.136E+05	1.257E+05	1.390E+05
82	1.093E+05	1.211E+05	1.341E+05
83	1.053E+05	1.167E+05	1.294E+05
84	1.013E+05	1.125E+05	1.248E+05
85	9.760E+04	1.085E+05	1.205E+05
86	9.401E+04	1.046E+05	1.163E+05
87	9.056E+04	1.009E+05	1.122E+05
88	8.726E+04	9.729E+04	1.084E+05
89	8.409E+04	9.385E+04	1.046E+05
90	8.105E+04	9.055E+04	1.011E+05
91	7.814E+04	8.738E+04	9.763E+04
92	7.534E+04	8.433E+04	9.432E+04
93	7.265E+04	8.141E+04	9.114E+04
94	7.007E+04	7.859E+04	8.808E+04
95	6.759E+04	7.589E+04	8.513E+04
96	6.522E+04	7.330E+04	8.230E+04
97	6.293E+04	7.080E+04	7.957E+04
98	6.074E+04	6.840E+04	7.695E+04
99	5.864E+04	6.609E+04	7.443E+04
100	5.661E+04	6.387E+04	7.200E+04

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	5.661E+04	6.387E+04	7.200E+04
101	5.467E+04	6.174E+04	6.966E+04
102	5.280E+04	5.968E+04	6.740E+04
103	5.100E+04	5.771E+04	6.523E+04
104	4.927E+04	5.580E+04	6.314E+04
105	4.761E+04	5.397E+04	6.113E+04
106	4.601E+04	5.221E+04	5.919E+04
107	4.448E+04	5.051E+04	5.732E+04
108	4.300E+04	4.888E+04	5.551E+04
109	4.158E+04	4.731E+04	5.378E+04
110	4.021E+04	4.579E+04	5.210E+04
111	3.889E+04	4.433E+04	5.049E+04
112	3.762E+04	4.293E+04	4.893E+04
113	3.640E+04	4.157E+04	4.743E+04
114	3.523E+04	4.026E+04	4.598E+04
115	3.410E+04	3.900E+04	4.458E+04
116	3.300E+04	3.779E+04	4.323E+04
117	3.195E+04	3.662E+04	4.192E+04
118	3.094E+04	3.548E+04	4.066E+04
119	2.996E+04	3.439E+04	3.945E+04
120	2.901E+04	3.334E+04	3.827E+04
121	2.810E+04	3.232E+04	3.714E+04
122	2.723E+04	3.134E+04	3.604E+04
123	2.638E+04	3.039E+04	3.498E+04
124	2.556E+04	2.947E+04	3.395E+04
125	2.477E+04	2.859E+04	3.296E+04
126	2.401E+04	2.773E+04	3.200E+04
127	2.328E+04	2.691E+04	3.107E+04
128	2.257E+04	2.611E+04	3.018E+04
129	2.188E+04	2.534E+04	2.931E+04
130	2.122E+04	2.459E+04	2.847E+04
131	2.058E+04	2.387E+04	2.766E+04
132	1.996E+04	2.317E+04	2.687E+04
133	1.937E+04	2.250E+04	2.611E+04
134	1.879E+04	2.184E+04	2.537E+04
135	1.823E+04	2.121E+04	2.466E+04
136	1.770E+04	2.061E+04	2.397E+04
137	1.718E+04	2.002E+04	2.330E+04
138	1.667E+04	1.945E+04	2.266E+04
139	1.619E+04	1.890E+04	2.203E+04
140	1.572E+04	1.836E+04	2.143E+04
141	1.527E+04	1.785E+04	2.085E+04
142	1.483E+04	1.735E+04	2.028E+04
143	1.441E+04	1.687E+04	1.973E+04
144	1.400E+04	1.640E+04	1.920E+04
145	1.360E+04	1.595E+04	1.869E+04
146	1.322E+04	1.551E+04	1.819E+04
147	1.285E+04	1.509E+04	1.770E+04
148	1.249E+04	1.468E+04	1.724E+04
149	1.214E+04	1.428E+04	1.678E+04
150	1.180E+04	1.389E+04	1.634E+04

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TYPE	GR15-7E145H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	1388000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B(T1°C/T2°C)	4460 K	B+TOLERANCE (K)	133.8	B-TOLERANCE (K)	133.8

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	1.180E+04	1.389E+04	1.634E+04
151	1.148E+04	1.352E+04	1.591E+04
152	1.116E+04	1.316E+04	1.549E+04
153	1.085E+04	1.280E+04	1.509E+04
154	1.056E+04	1.246E+04	1.470E+04
155	1.027E+04	1.213E+04	1.432E+04
156	9.991E+03	1.181E+04	1.395E+04
157	9.722E+03	1.150E+04	1.360E+04
158	9.460E+03	1.120E+04	1.325E+04
159	9.207E+03	1.091E+04	1.291E+04
160	8.961E+03	1.063E+04	1.259E+04
161	8.724E+03	1.035E+04	1.227E+04
162	8.494E+03	1.009E+04	1.196E+04
163	8.270E+03	9.827E+03	1.167E+04
164	8.053E+03	9.576E+03	1.138E+04
165	7.843E+03	9.332E+03	1.109E+04
166	7.639E+03	9.096E+03	1.082E+04
167	7.441E+03	8.866E+03	1.056E+04
168	7.249E+03	8.644E+03	1.030E+04
169	7.063E+03	8.427E+03	1.005E+04
170	6.882E+03	8.217E+03	9.802E+03
171	6.706E+03	8.012E+03	9.564E+03
172	6.535E+03	7.813E+03	9.333E+03
173	6.369E+03	7.620E+03	9.109E+03
174	6.208E+03	7.433E+03	8.890E+03
175	6.052E+03	7.250E+03	8.678E+03
176	5.900E+03	7.073E+03	8.472E+03
177	5.753E+03	6.901E+03	8.272E+03
178	5.610E+03	6.734E+03	8.077E+03
179	5.471E+03	6.572E+03	7.887E+03
180	5.336E+03	6.414E+03	7.703E+03
181	5.206E+03	6.261E+03	7.524E+03
182	5.078E+03	6.112E+03	7.349E+03
183	4.955E+03	5.967E+03	7.180E+03
184	4.835E+03	5.826E+03	7.015E+03
185	4.718E+03	5.689E+03	6.854E+03
186	4.605E+03	5.556E+03	6.698E+03
187	4.494E+03	5.426E+03	6.546E+03
188	4.387E+03	5.300E+03	6.397E+03
189	4.282E+03	5.177E+03	6.253E+03
190	4.181E+03	5.057E+03	6.112E+03
191	4.082E+03	4.941E+03	5.975E+03
192	3.985E+03	4.827E+03	5.841E+03
193	3.892E+03	4.716E+03	5.711E+03
194	3.801E+03	4.609E+03	5.584E+03
195	3.712E+03	4.504E+03	5.460E+03
196	3.626E+03	4.402E+03	5.340E+03
197	3.542E+03	4.303E+03	5.223E+03
198	3.460E+03	4.207E+03	5.109E+03
199	3.381E+03	4.113E+03	4.998E+03
200	3.304E+03	4.021E+03	4.889E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	3.304E+03	4.021E+03	4.889E+03
201	3.229E+03	3.932E+03	4.784E+03
202	3.155E+03	3.845E+03	4.681E+03
203	3.084E+03	3.760E+03	4.581E+03
204	3.015E+03	3.678E+03	4.483E+03
205	2.947E+03	3.598E+03	4.388E+03
206	2.882E+03	3.520E+03	4.295E+03
207	2.818E+03	3.443E+03	4.204E+03
208	2.755E+03	3.369E+03	4.116E+03
209	2.695E+03	3.297E+03	4.030E+03
210	2.635E+03	3.226E+03	3.946E+03
211	2.578E+03	3.158E+03	3.864E+03
212	2.522E+03	3.091E+03	3.785E+03
213	2.467E+03	3.026E+03	3.707E+03
214	2.414E+03	2.962E+03	3.631E+03
215	2.362E+03	2.900E+03	3.557E+03
216	2.311E+03	2.839E+03	3.485E+03
217	2.262E+03	2.780E+03	3.414E+03
218	2.214E+03	2.723E+03	3.345E+03
219	2.167E+03	2.666E+03	3.278E+03
220	2.121E+03	2.611E+03	3.212E+03
221	2.076E+03	2.558E+03	3.148E+03
222	2.033E+03	2.505E+03	3.085E+03
223	1.990E+03	2.454E+03	3.023E+03
224	1.948E+03	2.404E+03	2.963E+03
225	1.908E+03	2.355E+03	2.905E+03
226	1.868E+03	2.308E+03	2.848E+03
227	1.830E+03	2.261E+03	2.792E+03
228	1.792E+03	2.216E+03	2.738E+03
229	1.756E+03	2.172E+03	2.684E+03
230	1.720E+03	2.129E+03	2.632E+03
231	1.685E+03	2.087E+03	2.582E+03
232	1.651E+03	2.046E+03	2.532E+03
233	1.618E+03	2.006E+03	2.484E+03
234	1.585E+03	1.966E+03	2.437E+03
235	1.554E+03	1.928E+03	2.391E+03
236	1.523E+03	1.891E+03	2.345E+03
237	1.492E+03	1.854E+03	2.301E+03
238	1.463E+03	1.818E+03	2.258E+03
239	1.434E+03	1.783E+03	2.216E+03
240	1.406E+03	1.749E+03	2.174E+03
241	1.378E+03	1.716E+03	2.134E+03
242	1.351E+03	1.683E+03	2.094E+03
243	1.325E+03	1.651E+03	2.056E+03
244	1.299E+03	1.620E+03	2.018E+03
245	1.274E+03	1.590E+03	1.981E+03
246	1.250E+03	1.560E+03	1.945E+03
247	1.226E+03	1.530E+03	1.909E+03
248	1.202E+03	1.502E+03	1.874E+03
249	1.179E+03	1.474E+03	1.840E+03
250	1.157E+03	1.447E+03	1.807E+03

