

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-5D105F*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	1000000 Ω	R+TOLERANCE (%)	1	R-TOLERANCE (%)	1
B (T1°C/T2°C)	5121 K	B+TOLERANCE (K)	51.21	B-TOLERANCE (K)	51.21

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	2.587E+05	2.648E+05	2.710E+05
51	2.461E+05	2.520E+05	2.581E+05
52	2.341E+05	2.399E+05	2.458E+05
53	2.229E+05	2.284E+05	2.342E+05
54	2.122E+05	2.176E+05	2.231E+05
55	2.020E+05	2.073E+05	2.127E+05
56	1.924E+05	1.976E+05	2.028E+05
57	1.833E+05	1.883E+05	1.934E+05
58	1.747E+05	1.795E+05	1.845E+05
59	1.666E+05	1.712E+05	1.760E+05
60	1.588E+05	1.633E+05	1.680E+05
61	1.515E+05	1.559E+05	1.604E+05
62	1.445E+05	1.488E+05	1.531E+05
63	1.379E+05	1.420E+05	1.463E+05
64	1.316E+05	1.356E+05	1.397E+05
65	1.257E+05	1.295E+05	1.335E+05
66	1.200E+05	1.238E+05	1.276E+05
67	1.146E+05	1.183E+05	1.220E+05
68	1.095E+05	1.130E+05	1.167E+05
69	1.047E+05	1.081E+05	1.116E+05
70	1.000E+05	1.034E+05	1.068E+05
71	9.565E+04	9.886E+04	1.022E+05
72	9.148E+04	9.459E+04	9.780E+04
73	8.751E+04	9.052E+04	9.363E+04
74	8.373E+04	8.665E+04	8.966E+04
75	8.013E+04	8.296E+04	8.588E+04
76	7.670E+04	7.944E+04	8.227E+04
77	7.343E+04	7.609E+04	7.884E+04
78	7.032E+04	7.290E+04	7.556E+04
79	6.736E+04	6.986E+04	7.244E+04
80	6.454E+04	6.696E+04	6.946E+04
81	6.184E+04	6.419E+04	6.662E+04
82	5.928E+04	6.155E+04	6.390E+04
83	5.683E+04	5.903E+04	6.131E+04
84	5.449E+04	5.663E+04	5.884E+04
85	5.226E+04	5.433E+04	5.648E+04
86	5.014E+04	5.214E+04	5.422E+04
87	4.811E+04	5.005E+04	5.207E+04
88	4.617E+04	4.805E+04	5.001E+04
89	4.432E+04	4.614E+04	4.804E+04
90	4.255E+04	4.432E+04	4.616E+04
91	4.086E+04	4.257E+04	4.436E+04
92	3.924E+04	4.091E+04	4.264E+04
93	3.770E+04	3.931E+04	4.099E+04
94	3.622E+04	3.779E+04	3.942E+04
95	3.481E+04	3.633E+04	3.791E+04
96	3.346E+04	3.494E+04	3.647E+04
97	3.217E+04	3.360E+04	3.509E+04
98	3.094E+04	3.232E+04	3.377E+04
99	2.976E+04	3.110E+04	3.250E+04
100	2.863E+04	2.993E+04	3.129E+04

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	2.863E+04	2.993E+04	3.129E+04
101	2.754E+04	2.881E+04	3.013E+04
102	2.651E+04	2.774E+04	2.902E+04
103	2.552E+04	2.671E+04	2.795E+04
104	2.456E+04	2.572E+04	2.693E+04
105	2.365E+04	2.478E+04	2.595E+04
106	2.278E+04	2.387E+04	2.501E+04
107	2.195E+04	2.301E+04	2.411E+04
108	2.115E+04	2.217E+04	2.325E+04
109	2.038E+04	2.138E+04	2.242E+04
110	1.964E+04	2.061E+04	2.163E+04
111	1.894E+04	1.988E+04	2.087E+04
112	1.826E+04	1.918E+04	2.014E+04
113	1.762E+04	1.850E+04	1.944E+04
114	1.699E+04	1.786E+04	1.876E+04
115	1.640E+04	1.723E+04	1.811E+04
116	1.582E+04	1.664E+04	1.749E+04
117	1.527E+04	1.606E+04	1.690E+04
118	1.474E+04	1.551E+04	1.632E+04
119	1.423E+04	1.498E+04	1.577E+04
120	1.375E+04	1.447E+04	1.524E+04
121	1.328E+04	1.398E+04	1.473E+04
122	1.283E+04	1.351E+04	1.424E+04
123	1.239E+04	1.306E+04	1.376E+04
124	1.198E+04	1.263E+04	1.331E+04
125	1.157E+04	1.221E+04	1.287E+04
126	1.119E+04	1.180E+04	1.245E+04
127	1.082E+04	1.142E+04	1.205E+04
128	1.046E+04	1.104E+04	1.166E+04
129	1.012E+04	1.068E+04	1.128E+04
130	9.785E+03	1.034E+04	1.092E+04
131	9.465E+03	1.000E+04	1.057E+04
132	9.157E+03	9.679E+03	1.023E+04
133	8.861E+03	9.369E+03	9.905E+03
134	8.576E+03	9.070E+03	9.592E+03
135	8.301E+03	8.782E+03	9.290E+03
136	8.036E+03	8.505E+03	9.000E+03
137	7.781E+03	8.238E+03	8.719E+03
138	7.536E+03	7.980E+03	8.449E+03
139	7.299E+03	7.732E+03	8.189E+03
140	7.071E+03	7.492E+03	7.938E+03
141	6.852E+03	7.262E+03	7.696E+03
142	6.640E+03	7.040E+03	7.463E+03
143	6.436E+03	6.826E+03	7.238E+03
144	6.239E+03	6.619E+03	7.021E+03
145	6.049E+03	6.419E+03	6.811E+03
146	5.866E+03	6.226E+03	6.608E+03
147	5.689E+03	6.040E+03	6.412E+03
148	5.518E+03	5.860E+03	6.223E+03
149	5.353E+03	5.686E+03	6.040E+03
150	5.193E+03	5.518E+03	5.864E+03

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B(T1°C/T2°C)	5121 K	B+TOLERANCE (K)	51.21	B-TOLERANCE (K)	51.21

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	5.193E+03	5.518E+03	5.864E+03
151	5.039E+03	5.356E+03	5.693E+03
152	4.890E+03	5.199E+03	5.528E+03
153	4.746E+03	5.048E+03	5.368E+03
154	4.607E+03	4.901E+03	5.214E+03
155	4.473E+03	4.760E+03	5.065E+03
156	4.343E+03	4.623E+03	4.920E+03
157	4.217E+03	4.490E+03	4.781E+03
158	4.096E+03	4.362E+03	4.646E+03
159	3.978E+03	4.238E+03	4.515E+03
160	3.865E+03	4.119E+03	4.388E+03
161	3.755E+03	4.002E+03	4.266E+03
162	3.648E+03	3.890E+03	4.147E+03
163	3.545E+03	3.781E+03	4.032E+03
164	3.445E+03	3.676E+03	3.921E+03
165	3.349E+03	3.574E+03	3.813E+03
166	3.256E+03	3.475E+03	3.709E+03
167	3.166E+03	3.380E+03	3.608E+03
168	3.078E+03	3.288E+03	3.511E+03
169	2.994E+03	3.198E+03	3.416E+03
170	2.912E+03	3.112E+03	3.325E+03
171	2.834E+03	3.028E+03	3.236E+03
172	2.757E+03	2.948E+03	3.151E+03
173	2.683E+03	2.869E+03	3.068E+03
174	2.612E+03	2.793E+03	2.987E+03
175	2.542E+03	2.720E+03	2.909E+03
176	2.475E+03	2.648E+03	2.834E+03
177	2.409E+03	2.579E+03	2.760E+03
178	2.346E+03	2.512E+03	2.689E+03
179	2.285E+03	2.447E+03	2.620E+03
180	2.225E+03	2.384E+03	2.553E+03
181	2.168E+03	2.322E+03	2.488E+03
182	2.112E+03	2.263E+03	2.425E+03
183	2.057E+03	2.205E+03	2.364E+03
184	2.004E+03	2.149E+03	2.304E+03
185	1.953E+03	2.095E+03	2.247E+03
186	1.904E+03	2.042E+03	2.191E+03
187	1.855E+03	1.991E+03	2.136E+03
188	1.809E+03	1.941E+03	2.083E+03
189	1.763E+03	1.893E+03	2.032E+03
190	1.719E+03	1.846E+03	1.982E+03
191	1.676E+03	1.800E+03	1.934E+03
192	1.635E+03	1.756E+03	1.887E+03
193	1.594E+03	1.713E+03	1.841E+03
194	1.555E+03	1.671E+03	1.796E+03
195	1.517E+03	1.631E+03	1.753E+03
196	1.480E+03	1.591E+03	1.711E+03
197	1.444E+03	1.553E+03	1.670E+03
198	1.409E+03	1.516E+03	1.631E+03
199	1.375E+03	1.480E+03	1.592E+03
200	1.342E+03	1.444E+03	1.555E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	1.342E+03	1.444E+03	1.555E+03
201	1.310E+03	1.410E+03	1.518E+03
202	1.279E+03	1.377E+03	1.483E+03
203	1.249E+03	1.345E+03	1.449E+03
204	1.219E+03	1.314E+03	1.415E+03
205	1.191E+03	1.283E+03	1.383E+03
206	1.163E+03	1.253E+03	1.351E+03
207	1.136E+03	1.225E+03	1.320E+03
208	1.110E+03	1.197E+03	1.290E+03
209	1.084E+03	1.169E+03	1.261E+03
210	1.059E+03	1.143E+03	1.232E+03
211	1.035E+03	1.117E+03	1.205E+03
212	1.011E+03	1.091E+03	1.178E+03
213	9.883E+02	1.067E+03	1.152E+03
214	9.659E+02	1.043E+03	1.126E+03
215	9.442E+02	1.020E+03	1.101E+03
216	9.230E+02	9.970E+02	1.077E+03
217	9.023E+02	9.749E+02	1.053E+03
218	8.822E+02	9.534E+02	1.030E+03
219	8.627E+02	9.324E+02	1.008E+03
220	8.436E+02	9.120E+02	9.859E+02
221	8.250E+02	8.920E+02	9.645E+02
222	8.068E+02	8.726E+02	9.437E+02
223	7.892E+02	8.537E+02	9.234E+02
224	7.720E+02	8.353E+02	9.037E+02
225	7.552E+02	8.173E+02	8.844E+02
226	7.389E+02	7.998E+02	8.657E+02
227	7.230E+02	7.828E+02	8.474E+02
228	7.075E+02	7.662E+02	8.296E+02
229	6.925E+02	7.500E+02	8.122E+02
230	6.778E+02	7.342E+02	7.953E+02
231	6.635E+02	7.189E+02	7.789E+02
232	6.496E+02	7.040E+02	7.628E+02
233	6.360E+02	6.894E+02	7.472E+02
234	6.227E+02	6.752E+02	7.319E+02
235	6.098E+02	6.613E+02	7.170E+02
236	5.972E+02	6.477E+02	7.025E+02
237	5.849E+02	6.345E+02	6.883E+02
238	5.729E+02	6.216E+02	6.744E+02
239	5.612E+02	6.090E+02	6.609E+02
240	5.497E+02	5.967E+02	6.477E+02
241	5.386E+02	5.847E+02	6.348E+02
242	5.277E+02	5.730E+02	6.222E+02
243	5.171E+02	5.616E+02	6.099E+02
244	5.067E+02	5.504E+02	5.979E+02
245	4.966E+02	5.395E+02	5.862E+02
246	4.867E+02	5.289E+02	5.747E+02
247	4.770E+02	5.185E+02	5.635E+02
248	4.676E+02	5.083E+02	5.526E+02
249	4.584E+02	4.984E+02	5.419E+02
250	4.494E+02	4.887E+02	5.315E+02

