



## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-5D105H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	1000000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B (T1°C/T2°C)	5121 K	B+TOLERANCE (K)	153.63	B-TOLERANCE (K)	153.63

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	2.468E+05	2.648E+05	2.838E+05
51	2.346E+05	2.520E+05	2.705E+05
52	2.230E+05	2.399E+05	2.579E+05
53	2.120E+05	2.284E+05	2.459E+05
54	2.016E+05	2.176E+05	2.346E+05
55	1.918E+05	2.073E+05	2.238E+05
56	1.825E+05	1.976E+05	2.136E+05
57	1.738E+05	1.883E+05	2.039E+05
58	1.654E+05	1.795E+05	1.947E+05
59	1.576E+05	1.712E+05	1.859E+05
60	1.501E+05	1.633E+05	1.776E+05
61	1.430E+05	1.559E+05	1.697E+05
62	1.363E+05	1.488E+05	1.622E+05
63	1.300E+05	1.420E+05	1.551E+05
64	1.239E+05	1.356E+05	1.483E+05
65	1.182E+05	1.295E+05	1.418E+05
66	1.128E+05	1.238E+05	1.357E+05
67	1.076E+05	1.183E+05	1.298E+05
68	1.028E+05	1.130E+05	1.243E+05
69	9.812E+04	1.081E+05	1.189E+05
70	9.371E+04	1.034E+05	1.139E+05
71	8.952E+04	9.886E+04	1.091E+05
72	8.554E+04	9.459E+04	1.045E+05
73	8.175E+04	9.052E+04	1.001E+05
74	7.815E+04	8.665E+04	9.598E+04
75	7.473E+04	8.296E+04	9.201E+04
76	7.147E+04	7.944E+04	8.822E+04
77	6.837E+04	7.609E+04	8.461E+04
78	6.542E+04	7.290E+04	8.116E+04
79	6.261E+04	6.986E+04	7.787E+04
80	5.994E+04	6.696E+04	7.473E+04
81	5.739E+04	6.419E+04	7.173E+04
82	5.496E+04	6.155E+04	6.886E+04
83	5.265E+04	5.903E+04	6.612E+04
84	5.045E+04	5.663E+04	6.351E+04
85	4.834E+04	5.433E+04	6.101E+04
86	4.634E+04	5.214E+04	5.862E+04
87	4.443E+04	5.005E+04	5.633E+04
88	4.260E+04	4.805E+04	5.415E+04
89	4.086E+04	4.614E+04	5.206E+04
90	3.920E+04	4.432E+04	5.006E+04
91	3.762E+04	4.257E+04	4.814E+04
92	3.610E+04	4.091E+04	4.631E+04
93	3.465E+04	3.931E+04	4.456E+04
94	3.327E+04	3.779E+04	4.288E+04
95	3.195E+04	3.633E+04	4.127E+04
96	3.069E+04	3.494E+04	3.973E+04
97	2.948E+04	3.360E+04	3.826E+04
98	2.833E+04	3.232E+04	3.685E+04
99	2.723E+04	3.110E+04	3.549E+04
100	2.618E+04	2.993E+04	3.419E+04

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	2.618E+04	2.993E+04	3.419E+04
101	2.517E+04	2.881E+04	3.295E+04
102	2.420E+04	2.774E+04	3.176E+04
103	2.328E+04	2.671E+04	3.061E+04
104	2.240E+04	2.572E+04	2.951E+04
105	2.155E+04	2.478E+04	2.846E+04
106	2.074E+04	2.387E+04	2.745E+04
107	1.997E+04	2.301E+04	2.648E+04
108	1.923E+04	2.217E+04	2.555E+04
109	1.852E+04	2.138E+04	2.466E+04
110	1.783E+04	2.061E+04	2.380E+04
111	1.718E+04	1.988E+04	2.298E+04
112	1.656E+04	1.918E+04	2.219E+04
113	1.596E+04	1.850E+04	2.143E+04
114	1.539E+04	1.786E+04	2.071E+04
115	1.484E+04	1.723E+04	2.000E+04
116	1.431E+04	1.664E+04	1.933E+04
117	1.380E+04	1.606E+04	1.868E+04
118	1.331E+04	1.551E+04	1.806E+04
119	1.284E+04	1.498E+04	1.746E+04
120	1.240E+04	1.447E+04	1.688E+04
121	1.196E+04	1.398E+04	1.633E+04
122	1.155E+04	1.351E+04	1.580E+04
123	1.115E+04	1.306E+04	1.528E+04
124	1.077E+04	1.263E+04	1.479E+04
125	1.040E+04	1.221E+04	1.431E+04
126	1.005E+04	1.180E+04	1.385E+04
127	9.710E+03	1.142E+04	1.341E+04
128	9.383E+03	1.104E+04	1.298E+04
129	9.069E+03	1.068E+04	1.257E+04
130	8.766E+03	1.034E+04	1.217E+04
131	8.475E+03	1.000E+04	1.179E+04
132	8.194E+03	9.679E+03	1.142E+04
133	7.924E+03	9.369E+03	1.107E+04
134	7.664E+03	9.070E+03	1.072E+04
135	7.414E+03	8.782E+03	1.039E+04
136	7.173E+03	8.505E+03	1.007E+04
137	6.942E+03	8.238E+03	9.767E+03
138	6.718E+03	7.980E+03	9.470E+03
139	6.504E+03	7.732E+03	9.184E+03
140	6.297E+03	7.492E+03	8.907E+03
141	6.098E+03	7.262E+03	8.641E+03
142	5.906E+03	7.040E+03	8.385E+03
143	5.721E+03	6.826E+03	8.137E+03
144	5.543E+03	6.619E+03	7.897E+03
145	5.371E+03	6.419E+03	7.665E+03
146	5.205E+03	6.226E+03	7.442E+03
147	5.045E+03	6.040E+03	7.225E+03
148	4.890E+03	5.860E+03	7.016E+03
149	4.741E+03	5.686E+03	6.814E+03
150	4.597E+03	5.518E+03	6.619E+03

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B(T1°C/T2°C)	5121 K	B+TOLERANCE (K)	153.63	B-TOLERANCE (K)	153.63

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	4.597E+03	5.518E+03	6.619E+03
151	4.458E+03	5.356E+03	6.429E+03
152	4.324E+03	5.199E+03	6.247E+03
153	4.194E+03	5.048E+03	6.070E+03
154	4.069E+03	4.901E+03	5.899E+03
155	3.948E+03	4.760E+03	5.733E+03
156	3.832E+03	4.623E+03	5.573E+03
157	3.719E+03	4.490E+03	5.417E+03
158	3.610E+03	4.362E+03	5.267E+03
159	3.504E+03	4.238E+03	5.122E+03
160	3.402E+03	4.119E+03	4.981E+03
161	3.303E+03	4.002E+03	4.844E+03
162	3.208E+03	3.890E+03	4.712E+03
163	3.116E+03	3.781E+03	4.584E+03
164	3.026E+03	3.676E+03	4.460E+03
165	2.940E+03	3.574E+03	4.340E+03
166	2.857E+03	3.475E+03	4.223E+03
167	2.776E+03	3.380E+03	4.111E+03
168	2.698E+03	3.288E+03	4.002E+03
169	2.623E+03	3.198E+03	3.896E+03
170	2.550E+03	3.112E+03	3.794E+03
171	2.480E+03	3.028E+03	3.695E+03
172	2.412E+03	2.948E+03	3.599E+03
173	2.346E+03	2.869E+03	3.506E+03
174	2.282E+03	2.793E+03	3.416E+03
175	2.220E+03	2.720E+03	3.329E+03
176	2.160E+03	2.648E+03	3.244E+03
177	2.102E+03	2.579E+03	3.161E+03
178	2.046E+03	2.512E+03	3.081E+03
179	1.991E+03	2.447E+03	3.004E+03
180	1.939E+03	2.384E+03	2.928E+03
181	1.887E+03	2.322E+03	2.855E+03
182	1.838E+03	2.263E+03	2.784E+03
183	1.790E+03	2.205E+03	2.715E+03
184	1.743E+03	2.149E+03	2.648E+03
185	1.697E+03	2.095E+03	2.583E+03
186	1.654E+03	2.042E+03	2.520E+03
187	1.611E+03	1.991E+03	2.459E+03
188	1.570E+03	1.941E+03	2.399E+03
189	1.529E+03	1.893E+03	2.341E+03
190	1.490E+03	1.846E+03	2.285E+03
191	1.453E+03	1.800E+03	2.230E+03
192	1.416E+03	1.756E+03	2.176E+03
193	1.380E+03	1.713E+03	2.125E+03
194	1.345E+03	1.671E+03	2.074E+03
195	1.312E+03	1.631E+03	2.025E+03
196	1.279E+03	1.591E+03	1.978E+03
197	1.248E+03	1.553E+03	1.931E+03
198	1.217E+03	1.516E+03	1.886E+03
199	1.187E+03	1.480E+03	1.843E+03
200	1.158E+03	1.444E+03	1.800E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	1.158E+03	1.444E+03	1.800E+03
201	1.130E+03	1.410E+03	1.759E+03
202	1.103E+03	1.377E+03	1.719E+03
203	1.076E+03	1.345E+03	1.680E+03
204	1.050E+03	1.314E+03	1.642E+03
205	1.025E+03	1.283E+03	1.605E+03
206	1.001E+03	1.253E+03	1.569E+03
207	9.771E+02	1.225E+03	1.533E+03
208	9.541E+02	1.197E+03	1.499E+03
209	9.316E+02	1.169E+03	1.466E+03
210	9.098E+02	1.143E+03	1.433E+03
211	8.886E+02	1.117E+03	1.402E+03
212	8.680E+02	1.091E+03	1.371E+03
213	8.479E+02	1.067E+03	1.341E+03
214	8.283E+02	1.043E+03	1.312E+03
215	8.093E+02	1.020E+03	1.283E+03
216	7.908E+02	9.970E+02	1.256E+03
217	7.728E+02	9.749E+02	1.229E+03
218	7.553E+02	9.534E+02	1.202E+03
219	7.382E+02	9.324E+02	1.177E+03
220	7.216E+02	9.120E+02	1.152E+03
221	7.053E+02	8.920E+02	1.127E+03
222	6.895E+02	8.726E+02	1.103E+03
223	6.742E+02	8.537E+02	1.080E+03
224	6.592E+02	8.353E+02	1.057E+03
225	6.446E+02	8.173E+02	1.035E+03
226	6.305E+02	7.998E+02	1.014E+03
227	6.166E+02	7.828E+02	9.928E+02
228	6.032E+02	7.662E+02	9.723E+02
229	5.901E+02	7.500E+02	9.524E+02
230	5.773E+02	7.342E+02	9.329E+02
231	5.649E+02	7.189E+02	9.140E+02
232	5.529E+02	7.040E+02	8.955E+02
233	5.411E+02	6.894E+02	8.775E+02
234	5.296E+02	6.752E+02	8.599E+02
235	5.184E+02	6.613E+02	8.427E+02
236	5.075E+02	6.477E+02	8.260E+02
237	4.968E+02	6.345E+02	8.096E+02
238	4.865E+02	6.216E+02	7.936E+02
239	4.763E+02	6.090E+02	7.780E+02
240	4.664E+02	5.967E+02	7.627E+02
241	4.568E+02	5.847E+02	7.479E+02
242	4.474E+02	5.730E+02	7.333E+02
243	4.382E+02	5.616E+02	7.191E+02
244	4.293E+02	5.504E+02	7.052E+02
245	4.205E+02	5.395E+02	6.916E+02
246	4.120E+02	5.289E+02	6.784E+02
247	4.036E+02	5.185E+02	6.654E+02
248	3.955E+02	5.083E+02	6.527E+02
249	3.876E+02	4.984E+02	6.404E+02
250	3.798E+02	4.887E+02	6.283E+02

