



## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7D234F*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	231400 Ω	R+TOLERANCE (%)	1	R-TOLERANCE (%)	1
B (T1°C/T2°C)	4207 K	B+TOLERANCE (K)	42.07	B-TOLERANCE (K)	42.07

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	7.606E+04	7.767E+04	7.931E+04
51	7.301E+04	7.459E+04	7.619E+04
52	7.010E+04	7.164E+04	7.321E+04
53	6.731E+04	6.882E+04	7.036E+04
54	6.466E+04	6.613E+04	6.763E+04
55	6.212E+04	6.356E+04	6.503E+04
56	5.969E+04	6.110E+04	6.254E+04
57	5.737E+04	5.875E+04	6.015E+04
58	5.515E+04	5.650E+04	5.787E+04
59	5.303E+04	5.435E+04	5.569E+04
60	5.101E+04	5.229E+04	5.360E+04
61	4.907E+04	5.032E+04	5.160E+04
62	4.721E+04	4.844E+04	4.969E+04
63	4.543E+04	4.663E+04	4.785E+04
64	4.373E+04	4.490E+04	4.610E+04
65	4.210E+04	4.325E+04	4.441E+04
66	4.054E+04	4.166E+04	4.280E+04
67	3.905E+04	4.014E+04	4.125E+04
68	3.762E+04	3.868E+04	3.977E+04
69	3.624E+04	3.728E+04	3.834E+04
70	3.493E+04	3.594E+04	3.698E+04
71	3.367E+04	3.465E+04	3.567E+04
72	3.246E+04	3.342E+04	3.441E+04
73	3.130E+04	3.224E+04	3.320E+04
74	3.018E+04	3.110E+04	3.204E+04
75	2.911E+04	3.001E+04	3.093E+04
76	2.809E+04	2.896E+04	2.986E+04
77	2.710E+04	2.796E+04	2.883E+04
78	2.616E+04	2.699E+04	2.785E+04
79	2.525E+04	2.606E+04	2.690E+04
80	2.438E+04	2.517E+04	2.599E+04
81	2.354E+04	2.431E+04	2.511E+04
82	2.273E+04	2.349E+04	2.427E+04
83	2.196E+04	2.270E+04	2.346E+04
84	2.122E+04	2.194E+04	2.268E+04
85	2.050E+04	2.120E+04	2.193E+04
86	1.981E+04	2.050E+04	2.121E+04
87	1.915E+04	1.982E+04	2.051E+04
88	1.851E+04	1.917E+04	1.984E+04
89	1.790E+04	1.854E+04	1.920E+04
90	1.731E+04	1.793E+04	1.858E+04
91	1.674E+04	1.735E+04	1.798E+04
92	1.620E+04	1.679E+04	1.740E+04
93	1.567E+04	1.625E+04	1.685E+04
94	1.517E+04	1.573E+04	1.631E+04
95	1.468E+04	1.523E+04	1.580E+04
96	1.421E+04	1.475E+04	1.530E+04
97	1.375E+04	1.428E+04	1.482E+04
98	1.332E+04	1.383E+04	1.436E+04
99	1.290E+04	1.340E+04	1.392E+04
100	1.249E+04	1.298E+04	1.349E+04

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	1.249E+04	1.298E+04	1.349E+04
101	1.210E+04	1.258E+04	1.308E+04
102	1.173E+04	1.219E+04	1.268E+04
103	1.136E+04	1.182E+04	1.229E+04
104	1.101E+04	1.146E+04	1.192E+04
105	1.068E+04	1.111E+04	1.156E+04
106	1.035E+04	1.077E+04	1.122E+04
107	1.004E+04	1.045E+04	1.088E+04
108	9.732E+03	1.014E+04	1.056E+04
109	9.439E+03	9.835E+03	1.025E+04
110	9.156E+03	9.543E+03	9.945E+03
111	8.883E+03	9.261E+03	9.654E+03
112	8.619E+03	8.988E+03	9.372E+03
113	8.364E+03	8.725E+03	9.100E+03
114	8.118E+03	8.470E+03	8.837E+03
115	7.880E+03	8.224E+03	8.583E+03
116	7.650E+03	7.986E+03	8.337E+03
117	7.427E+03	7.756E+03	8.099E+03
118	7.212E+03	7.534E+03	7.869E+03
119	7.005E+03	7.319E+03	7.646E+03
120	6.804E+03	7.111E+03	7.431E+03
121	6.609E+03	6.910E+03	7.223E+03
122	6.421E+03	6.715E+03	7.021E+03
123	6.239E+03	6.526E+03	6.826E+03
124	6.064E+03	6.344E+03	6.637E+03
125	5.893E+03	6.168E+03	6.454E+03
126	5.728E+03	5.997E+03	6.277E+03
127	5.569E+03	5.831E+03	6.105E+03
128	5.415E+03	5.671E+03	5.939E+03
129	5.265E+03	5.516E+03	5.778E+03
130	5.120E+03	5.366E+03	5.622E+03
131	4.980E+03	5.220E+03	5.471E+03
132	4.844E+03	5.079E+03	5.324E+03
133	4.712E+03	4.942E+03	5.182E+03
134	4.585E+03	4.810E+03	5.045E+03
135	4.461E+03	4.681E+03	4.911E+03
136	4.342E+03	4.557E+03	4.782E+03
137	4.226E+03	4.436E+03	4.657E+03
138	4.114E+03	4.319E+03	4.535E+03
139	4.005E+03	4.206E+03	4.417E+03
140	3.899E+03	4.096E+03	4.303E+03
141	3.797E+03	3.990E+03	4.192E+03
142	3.698E+03	3.887E+03	4.085E+03
143	3.602E+03	3.787E+03	3.981E+03
144	3.509E+03	3.690E+03	3.879E+03
145	3.418E+03	3.595E+03	3.781E+03
146	3.330E+03	3.504E+03	3.686E+03
147	3.245E+03	3.415E+03	3.594E+03
148	3.163E+03	3.329E+03	3.504E+03
149	3.083E+03	3.246E+03	3.417E+03
150	3.005E+03	3.165E+03	3.332E+03

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B(T1°C/T2°C)	4207 K	B+TOLERANCE (K)	42.07	B-TOLERANCE (K)	42.07

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	3.005E+03	3.165E+03	3.332E+03
151	2.930E+03	3.086E+03	3.250E+03
152	2.857E+03	3.010E+03	3.171E+03
153	2.785E+03	2.935E+03	3.093E+03
154	2.717E+03	2.863E+03	3.018E+03
155	2.650E+03	2.793E+03	2.945E+03
156	2.585E+03	2.726E+03	2.874E+03
157	2.521E+03	2.660E+03	2.805E+03
158	2.460E+03	2.595E+03	2.738E+03
159	2.400E+03	2.533E+03	2.673E+03
160	2.343E+03	2.473E+03	2.610E+03
161	2.286E+03	2.414E+03	2.548E+03
162	2.232E+03	2.357E+03	2.488E+03
163	2.178E+03	2.301E+03	2.430E+03
164	2.127E+03	2.247E+03	2.374E+03
165	2.077E+03	2.194E+03	2.319E+03
166	2.028E+03	2.143E+03	2.265E+03
167	1.980E+03	2.094E+03	2.213E+03
168	1.934E+03	2.045E+03	2.162E+03
169	1.889E+03	1.998E+03	2.113E+03
170	1.846E+03	1.953E+03	2.065E+03
171	1.804E+03	1.908E+03	2.019E+03
172	1.762E+03	1.865E+03	1.974E+03
173	1.722E+03	1.823E+03	1.929E+03
174	1.683E+03	1.782E+03	1.887E+03
175	1.645E+03	1.742E+03	1.845E+03
176	1.608E+03	1.703E+03	1.804E+03
177	1.572E+03	1.666E+03	1.764E+03
178	1.537E+03	1.629E+03	1.726E+03
179	1.503E+03	1.593E+03	1.688E+03
180	1.470E+03	1.558E+03	1.651E+03
181	1.437E+03	1.524E+03	1.615E+03
182	1.406E+03	1.491E+03	1.581E+03
183	1.375E+03	1.458E+03	1.547E+03
184	1.345E+03	1.427E+03	1.514E+03
185	1.316E+03	1.396E+03	1.481E+03
186	1.287E+03	1.366E+03	1.450E+03
187	1.259E+03	1.337E+03	1.419E+03
188	1.232E+03	1.308E+03	1.389E+03
189	1.206E+03	1.281E+03	1.360E+03
190	1.180E+03	1.254E+03	1.331E+03
191	1.155E+03	1.227E+03	1.304E+03
192	1.131E+03	1.202E+03	1.277E+03
193	1.107E+03	1.176E+03	1.250E+03
194	1.084E+03	1.152E+03	1.224E+03
195	1.061E+03	1.128E+03	1.199E+03
196	1.039E+03	1.105E+03	1.175E+03
197	1.017E+03	1.082E+03	1.151E+03
198	9.962E+02	1.060E+03	1.127E+03
199	9.757E+02	1.038E+03	1.104E+03
200	9.556E+02	1.017E+03	1.082E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	9.556E+02	1.017E+03	1.082E+03
201	9.360E+02	9.963E+02	1.060E+03
202	9.169E+02	9.761E+02	1.039E+03
203	8.982E+02	9.564E+02	1.018E+03
204	8.800E+02	9.372E+02	9.981E+02
205	8.623E+02	9.185E+02	9.783E+02
206	8.449E+02	9.002E+02	9.590E+02
207	8.280E+02	8.823E+02	9.401E+02
208	8.115E+02	8.649E+02	9.217E+02
209	7.954E+02	8.479E+02	9.037E+02
210	7.797E+02	8.313E+02	8.862E+02
211	7.644E+02	8.151E+02	8.691E+02
212	7.494E+02	7.993E+02	8.524E+02
213	7.348E+02	7.839E+02	8.361E+02
214	7.206E+02	7.688E+02	8.202E+02
215	7.066E+02	7.541E+02	8.046E+02
216	6.930E+02	7.397E+02	7.894E+02
217	6.797E+02	7.256E+02	7.745E+02
218	6.667E+02	7.118E+02	7.599E+02
219	6.540E+02	6.984E+02	7.457E+02
220	6.415E+02	6.852E+02	7.318E+02
221	6.294E+02	6.723E+02	7.181E+02
222	6.175E+02	6.597E+02	7.048E+02
223	6.058E+02	6.474E+02	6.917E+02
224	5.945E+02	6.354E+02	6.790E+02
225	5.834E+02	6.236E+02	6.665E+02
226	5.725E+02	6.121E+02	6.544E+02
227	5.619E+02	6.009E+02	6.425E+02
228	5.515E+02	5.899E+02	6.308E+02
229	5.414E+02	5.791E+02	6.194E+02
230	5.315E+02	5.686E+02	6.083E+02
231	5.218E+02	5.584E+02	5.975E+02
232	5.124E+02	5.484E+02	5.868E+02
233	5.032E+02	5.386E+02	5.765E+02
234	4.941E+02	5.290E+02	5.663E+02
235	4.853E+02	5.196E+02	5.563E+02
236	4.766E+02	5.104E+02	5.466E+02
237	4.681E+02	5.014E+02	5.370E+02
238	4.599E+02	4.926E+02	5.277E+02
239	4.517E+02	4.840E+02	5.185E+02
240	4.438E+02	4.756E+02	5.096E+02
241	4.360E+02	4.673E+02	5.008E+02
242	4.284E+02	4.592E+02	4.922E+02
243	4.209E+02	4.513E+02	4.838E+02
244	4.136E+02	4.435E+02	4.755E+02
245	4.065E+02	4.359E+02	4.675E+02
246	3.994E+02	4.285E+02	4.595E+02
247	3.926E+02	4.212E+02	4.518E+02
248	3.859E+02	4.140E+02	4.442E+02
249	3.793E+02	4.070E+02	4.367E+02
250	3.728E+02	4.001E+02	4.294E+02

