



## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7A103H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	10000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B (T1°C/T2°C)	4397 K	B+TOLERANCE (K)	131.91	B-TOLERANCE (K)	131.91

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	2.995E+03	3.195E+03	3.406E+03
51	2.869E+03	3.064E+03	3.270E+03
52	2.749E+03	2.940E+03	3.141E+03
53	2.634E+03	2.821E+03	3.018E+03
54	2.525E+03	2.708E+03	2.900E+03
55	2.422E+03	2.600E+03	2.788E+03
56	2.323E+03	2.497E+03	2.681E+03
57	2.229E+03	2.398E+03	2.578E+03
58	2.139E+03	2.304E+03	2.480E+03
59	2.053E+03	2.215E+03	2.387E+03
60	1.971E+03	2.129E+03	2.297E+03
61	1.893E+03	2.047E+03	2.212E+03
62	1.819E+03	1.969E+03	2.130E+03
63	1.748E+03	1.895E+03	2.051E+03
64	1.680E+03	1.823E+03	1.976E+03
65	1.615E+03	1.755E+03	1.905E+03
66	1.554E+03	1.690E+03	1.836E+03
67	1.494E+03	1.627E+03	1.770E+03
68	1.438E+03	1.567E+03	1.707E+03
69	1.384E+03	1.510E+03	1.646E+03
70	1.332E+03	1.455E+03	1.588E+03
71	1.283E+03	1.403E+03	1.533E+03
72	1.235E+03	1.353E+03	1.480E+03
73	1.190E+03	1.304E+03	1.429E+03
74	1.147E+03	1.258E+03	1.380E+03
75	1.105E+03	1.214E+03	1.333E+03
76	1.065E+03	1.172E+03	1.287E+03
77	1.027E+03	1.131E+03	1.244E+03
78	9.907E+02	1.092E+03	1.202E+03
79	9.557E+02	1.054E+03	1.162E+03
80	9.221E+02	1.018E+03	1.124E+03
81	8.899E+02	9.840E+02	1.087E+03
82	8.591E+02	9.508E+02	1.051E+03
83	8.294E+02	9.190E+02	1.017E+03
84	8.010E+02	8.884E+02	9.844E+02
85	7.737E+02	8.590E+02	9.528E+02
86	7.475E+02	8.307E+02	9.224E+02
87	7.223E+02	8.035E+02	8.931E+02
88	6.981E+02	7.774E+02	8.650E+02
89	6.748E+02	7.523E+02	8.379E+02
90	6.525E+02	7.281E+02	8.118E+02
91	6.311E+02	7.049E+02	7.866E+02
92	6.104E+02	6.825E+02	7.624E+02
93	5.906E+02	6.610E+02	7.391E+02
94	5.715E+02	6.402E+02	7.166E+02
95	5.531E+02	6.203E+02	6.949E+02
96	5.354E+02	6.010E+02	6.740E+02
97	5.184E+02	5.825E+02	6.539E+02
98	5.021E+02	5.647E+02	6.345E+02
99	4.863E+02	5.474E+02	6.157E+02
100	4.711E+02	5.309E+02	5.976E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	4.711E+02	5.309E+02	5.976E+02
101	4.565E+02	5.149E+02	5.802E+02
102	4.424E+02	4.995E+02	5.633E+02
103	4.288E+02	4.846E+02	5.471E+02
104	4.158E+02	4.702E+02	5.314E+02
105	4.032E+02	4.564E+02	5.162E+02
106	3.910E+02	4.431E+02	5.016E+02
107	3.793E+02	4.302E+02	4.874E+02
108	3.680E+02	4.177E+02	4.738E+02
109	3.571E+02	4.057E+02	4.606E+02
110	3.465E+02	3.941E+02	4.478E+02
111	3.364E+02	3.829E+02	4.354E+02
112	3.266E+02	3.721E+02	4.235E+02
113	3.171E+02	3.616E+02	4.120E+02
114	3.080E+02	3.515E+02	4.008E+02
115	2.991E+02	3.417E+02	3.900E+02
116	2.906E+02	3.323E+02	3.795E+02
117	2.824E+02	3.231E+02	3.694E+02
118	2.744E+02	3.143E+02	3.596E+02
119	2.667E+02	3.058E+02	3.502E+02
120	2.593E+02	2.975E+02	3.410E+02
121	2.521E+02	2.895E+02	3.321E+02
122	2.452E+02	2.818E+02	3.235E+02
123	2.385E+02	2.743E+02	3.152E+02
124	2.320E+02	2.670E+02	3.071E+02
125	2.257E+02	2.600E+02	2.993E+02
126	2.196E+02	2.532E+02	2.917E+02
127	2.137E+02	2.466E+02	2.844E+02
128	2.080E+02	2.402E+02	2.772E+02
129	2.025E+02	2.341E+02	2.703E+02
130	1.971E+02	2.281E+02	2.636E+02
131	1.920E+02	2.222E+02	2.571E+02
132	1.869E+02	2.166E+02	2.507E+02
133	1.821E+02	2.111E+02	2.446E+02
134	1.773E+02	2.058E+02	2.387E+02
135	1.728E+02	2.007E+02	2.329E+02
136	1.684E+02	1.957E+02	2.273E+02
137	1.641E+02	1.909E+02	2.218E+02
138	1.599E+02	1.862E+02	2.165E+02
139	1.559E+02	1.816E+02	2.114E+02
140	1.520E+02	1.772E+02	2.064E+02
141	1.482E+02	1.729E+02	2.016E+02
142	1.445E+02	1.688E+02	1.969E+02
143	1.409E+02	1.647E+02	1.923E+02
144	1.375E+02	1.608E+02	1.879E+02
145	1.341E+02	1.570E+02	1.836E+02
146	1.309E+02	1.533E+02	1.794E+02
147	1.277E+02	1.497E+02	1.753E+02
148	1.246E+02	1.462E+02	1.714E+02
149	1.216E+02	1.428E+02	1.675E+02
150	1.187E+02	1.395E+02	1.637E+02

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B(T1°C/T2°C)	4397 K	B+TOLERANCE (K)	131.91	B-TOLERANCE (K)	131.91

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	1.187E+02	1.395E+02	1.637E+02
151	1.159E+02	1.363E+02	1.601E+02
152	1.132E+02	1.332E+02	1.565E+02
153	1.105E+02	1.301E+02	1.531E+02
154	1.079E+02	1.272E+02	1.497E+02
155	1.054E+02	1.243E+02	1.464E+02
156	1.030E+02	1.215E+02	1.432E+02
157	1.006E+02	1.188E+02	1.401E+02
158	9.828E+01	1.161E+02	1.371E+02
159	9.604E+01	1.136E+02	1.342E+02
160	9.386E+01	1.111E+02	1.313E+02
161	9.174E+01	1.086E+02	1.285E+02
162	8.967E+01	1.063E+02	1.258E+02
163	8.767E+01	1.040E+02	1.232E+02
164	8.571E+01	1.017E+02	1.206E+02
165	8.382E+01	9.953E+01	1.181E+02
166	8.197E+01	9.740E+01	1.156E+02
167	8.017E+01	9.533E+01	1.133E+02
168	7.842E+01	9.331E+01	1.109E+02
169	7.672E+01	9.135E+01	1.087E+02
170	7.506E+01	8.944E+01	1.065E+02
171	7.345E+01	8.757E+01	1.043E+02
172	7.188E+01	8.576E+01	1.022E+02
173	7.035E+01	8.399E+01	1.002E+02
174	6.886E+01	8.226E+01	9.819E+01
175	6.740E+01	8.058E+01	9.624E+01
176	6.599E+01	7.894E+01	9.435E+01
177	6.461E+01	7.734E+01	9.250E+01
178	6.327E+01	7.579E+01	9.070E+01
179	6.196E+01	7.427E+01	8.894E+01
180	6.069E+01	7.279E+01	8.722E+01
181	5.944E+01	7.134E+01	8.554E+01
182	5.823E+01	6.993E+01	8.391E+01
183	5.705E+01	6.856E+01	8.231E+01
184	5.590E+01	6.722E+01	8.075E+01
185	5.478E+01	6.591E+01	7.923E+01
186	5.368E+01	6.463E+01	7.774E+01
187	5.262E+01	6.339E+01	7.629E+01
188	5.158E+01	6.217E+01	7.488E+01
189	5.056E+01	6.098E+01	7.349E+01
190	4.957E+01	5.983E+01	7.214E+01
191	4.860E+01	5.870E+01	7.082E+01
192	4.766E+01	5.760E+01	6.954E+01
193	4.674E+01	5.652E+01	6.828E+01
194	4.584E+01	5.547E+01	6.705E+01
195	4.497E+01	5.444E+01	6.584E+01
196	4.411E+01	5.343E+01	6.467E+01
197	4.327E+01	5.245E+01	6.352E+01
198	4.246E+01	5.149E+01	6.239E+01
199	4.166E+01	5.055E+01	6.129E+01
200	4.088E+01	4.963E+01	6.021E+01

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	4.088E+01	4.963E+01	6.021E+01
201	4.011E+01	4.873E+01	5.915E+01
202	3.936E+01	4.785E+01	5.812E+01
203	3.863E+01	4.699E+01	5.710E+01
204	3.792E+01	4.615E+01	5.612E+01
205	3.722E+01	4.533E+01	5.515E+01
206	3.654E+01	4.452E+01	5.420E+01
207	3.587E+01	4.374E+01	5.327E+01
208	3.522E+01	4.297E+01	5.237E+01
209	3.459E+01	4.222E+01	5.148E+01
210	3.397E+01	4.148E+01	5.061E+01
211	3.336E+01	4.076E+01	4.976E+01
212	3.276E+01	4.006E+01	4.893E+01
213	3.218E+01	3.937E+01	4.812E+01
214	3.162E+01	3.870E+01	4.732E+01
215	3.106E+01	3.804E+01	4.654E+01
216	3.052E+01	3.739E+01	4.578E+01
217	2.999E+01	3.676E+01	4.503E+01
218	2.947E+01	3.615E+01	4.430E+01
219	2.896E+01	3.554E+01	4.358E+01
220	2.846E+01	3.495E+01	4.288E+01
221	2.798E+01	3.437E+01	4.220E+01
222	2.750E+01	3.381E+01	4.153E+01
223	2.704E+01	3.325E+01	4.087E+01
224	2.658E+01	3.271E+01	4.022E+01
225	2.613E+01	3.218E+01	3.959E+01
226	2.570E+01	3.166E+01	3.897E+01
227	2.527E+01	3.115E+01	3.836E+01
228	2.485E+01	3.065E+01	3.776E+01
229	2.444E+01	3.016E+01	3.718E+01
230	2.404E+01	2.967E+01	3.660E+01
231	2.364E+01	2.920E+01	3.604E+01
232	2.325E+01	2.874E+01	3.548E+01
233	2.287E+01	2.828E+01	3.494E+01
234	2.250E+01	2.783E+01	3.440E+01
235	2.213E+01	2.740E+01	3.388E+01
236	2.178E+01	2.697E+01	3.337E+01
237	2.143E+01	2.655E+01	3.286E+01
238	2.108E+01	2.614E+01	3.237E+01
239	2.075E+01	2.573E+01	3.189E+01
240	2.042E+01	2.534E+01	3.141E+01
241	2.010E+01	2.495E+01	3.095E+01
242	1.978E+01	2.457E+01	3.049E+01
243	1.947E+01	2.420E+01	3.004E+01
244	1.917E+01	2.383E+01	2.961E+01
245	1.887E+01	2.347E+01	2.917E+01
246	1.858E+01	2.312E+01	2.875E+01
247	1.829E+01	2.278E+01	2.834E+01
248	1.801E+01	2.244E+01	2.793E+01
249	1.774E+01	2.211E+01	2.753E+01
250	1.747E+01	2.178E+01	2.714E+01

