

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GA13-3U104H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	100000 Ω	R+TOLERANCE (%)	3	R-TOLERANCE (%)	3
B (T1°C/T2°C)	3965 K	B+TOLERANCE (K)	118.95	B-TOLERANCE (K)	118.95

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	3.362E+04	3.574E+04	3.797E+04
51	3.231E+04	3.439E+04	3.658E+04
52	3.106E+04	3.310E+04	3.524E+04
53	2.987E+04	3.186E+04	3.396E+04
54	2.872E+04	3.068E+04	3.273E+04
55	2.763E+04	2.954E+04	3.156E+04
56	2.658E+04	2.845E+04	3.043E+04
57	2.558E+04	2.741E+04	2.934E+04
58	2.462E+04	2.641E+04	2.830E+04
59	2.370E+04	2.545E+04	2.731E+04
60	2.282E+04	2.453E+04	2.635E+04
61	2.197E+04	2.365E+04	2.543E+04
62	2.117E+04	2.280E+04	2.455E+04
63	2.039E+04	2.199E+04	2.370E+04
64	1.965E+04	2.121E+04	2.288E+04
65	1.894E+04	2.047E+04	2.210E+04
66	1.825E+04	1.975E+04	2.134E+04
67	1.760E+04	1.906E+04	2.062E+04
68	1.697E+04	1.840E+04	1.992E+04
69	1.636E+04	1.776E+04	1.925E+04
70	1.579E+04	1.715E+04	1.861E+04
71	1.523E+04	1.656E+04	1.799E+04
72	1.470E+04	1.600E+04	1.740E+04
73	1.418E+04	1.545E+04	1.682E+04
74	1.369E+04	1.493E+04	1.627E+04
75	1.322E+04	1.443E+04	1.574E+04
76	1.276E+04	1.395E+04	1.523E+04
77	1.232E+04	1.348E+04	1.473E+04
78	1.190E+04	1.303E+04	1.426E+04
79	1.150E+04	1.260E+04	1.380E+04
80	1.111E+04	1.219E+04	1.336E+04
81	1.074E+04	1.179E+04	1.293E+04
82	1.038E+04	1.141E+04	1.253E+04
83	1.003E+04	1.104E+04	1.213E+04
84	9.698E+03	1.068E+04	1.175E+04
85	9.378E+03	1.034E+04	1.138E+04
86	9.069E+03	1.001E+04	1.103E+04
87	8.772E+03	9.686E+03	1.069E+04
88	8.486E+03	9.379E+03	1.036E+04
89	8.210E+03	9.083E+03	1.004E+04
90	7.945E+03	8.797E+03	9.732E+03
91	7.689E+03	8.522E+03	9.436E+03
92	7.443E+03	8.256E+03	9.150E+03
93	7.206E+03	8.000E+03	8.874E+03
94	6.977E+03	7.753E+03	8.607E+03
95	6.757E+03	7.515E+03	8.350E+03
96	6.544E+03	7.285E+03	8.102E+03
97	6.339E+03	7.063E+03	7.862E+03
98	6.142E+03	6.848E+03	7.630E+03
99	5.951E+03	6.642E+03	7.406E+03
100	5.767E+03	6.442E+03	7.189E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	5.767E+03	6.442E+03	7.189E+03
101	5.590E+03	6.249E+03	6.980E+03
102	5.419E+03	6.063E+03	6.778E+03
103	5.254E+03	5.883E+03	6.582E+03
104	5.094E+03	5.710E+03	6.393E+03
105	4.940E+03	5.542E+03	6.211E+03
106	4.792E+03	5.379E+03	6.034E+03
107	4.648E+03	5.222E+03	5.862E+03
108	4.509E+03	5.071E+03	5.697E+03
109	4.375E+03	4.924E+03	5.537E+03
110	4.246E+03	4.782E+03	5.381E+03
111	4.120E+03	4.645E+03	5.231E+03
112	3.999E+03	4.512E+03	5.085E+03
113	3.882E+03	4.383E+03	4.944E+03
114	3.769E+03	4.259E+03	4.808E+03
115	3.660E+03	4.138E+03	4.676E+03
116	3.554E+03	4.022E+03	4.548E+03
117	3.452E+03	3.910E+03	4.424E+03
118	3.353E+03	3.801E+03	4.304E+03
119	3.257E+03	3.695E+03	4.188E+03
120	3.165E+03	3.593E+03	4.076E+03
121	3.076E+03	3.495E+03	3.967E+03
122	2.990E+03	3.399E+03	3.862E+03
123	2.906E+03	3.307E+03	3.759E+03
124	2.825E+03	3.217E+03	3.660E+03
125	2.747E+03	3.131E+03	3.564E+03
126	2.671E+03	3.046E+03	3.471E+03
127	2.598E+03	2.965E+03	3.381E+03
128	2.527E+03	2.886E+03	3.293E+03
129	2.458E+03	2.809E+03	3.208E+03
130	2.391E+03	2.735E+03	3.126E+03
131	2.326E+03	2.663E+03	3.045E+03
132	2.264E+03	2.593E+03	2.968E+03
133	2.203E+03	2.525E+03	2.892E+03
134	2.144E+03	2.460E+03	2.819E+03
135	2.087E+03	2.396E+03	2.748E+03
136	2.032E+03	2.334E+03	2.679E+03
137	1.978E+03	2.274E+03	2.612E+03
138	1.926E+03	2.216E+03	2.546E+03
139	1.875E+03	2.159E+03	2.483E+03
140	1.826E+03	2.104E+03	2.422E+03
141	1.779E+03	2.051E+03	2.362E+03
142	1.733E+03	1.999E+03	2.304E+03
143	1.688E+03	1.948E+03	2.247E+03
144	1.644E+03	1.900E+03	2.192E+03
145	1.602E+03	1.852E+03	2.139E+03
146	1.561E+03	1.806E+03	2.087E+03
147	1.522E+03	1.761E+03	2.037E+03
148	1.483E+03	1.718E+03	1.988E+03
149	1.446E+03	1.676E+03	1.940E+03
150	1.409E+03	1.635E+03	1.894E+03

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B(T1°C/T2°C)	3965 K	B+TOLERANCE (K)	118.95	B-TOLERANCE (K)	118.95

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	1.409E+03	1.635E+03	1.894E+03
151	1.374E+03	1.595E+03	1.849E+03
152	1.340E+03	1.556E+03	1.806E+03
153	1.307E+03	1.519E+03	1.763E+03
154	1.274E+03	1.482E+03	1.722E+03
155	1.243E+03	1.447E+03	1.682E+03
156	1.213E+03	1.412E+03	1.643E+03
157	1.183E+03	1.378E+03	1.605E+03
158	1.154E+03	1.346E+03	1.568E+03
159	1.126E+03	1.314E+03	1.532E+03
160	1.099E+03	1.283E+03	1.496E+03
161	1.073E+03	1.253E+03	1.462E+03
162	1.047E+03	1.224E+03	1.429E+03
163	1.022E+03	1.195E+03	1.397E+03
164	9.975E+02	1.167E+03	1.365E+03
165	9.738E+02	1.140E+03	1.334E+03
166	9.508E+02	1.114E+03	1.304E+03
167	9.284E+02	1.089E+03	1.275E+03
168	9.066E+02	1.064E+03	1.247E+03
169	8.854E+02	1.039E+03	1.219E+03
170	8.647E+02	1.016E+03	1.192E+03
171	8.446E+02	9.927E+02	1.166E+03
172	8.250E+02	9.703E+02	1.140E+03
173	8.060E+02	9.485E+02	1.115E+03
174	7.874E+02	9.272E+02	1.091E+03
175	7.694E+02	9.065E+02	1.067E+03
176	7.518E+02	8.863E+02	1.044E+03
177	7.347E+02	8.667E+02	1.021E+03
178	7.181E+02	8.475E+02	9.994E+02
179	7.019E+02	8.289E+02	9.780E+02
180	6.861E+02	8.107E+02	9.572E+02
181	6.708E+02	7.931E+02	9.369E+02
182	6.559E+02	7.759E+02	9.171E+02
183	6.413E+02	7.591E+02	8.978E+02
184	6.271E+02	7.428E+02	8.789E+02
185	6.133E+02	7.268E+02	8.605E+02
186	5.999E+02	7.113E+02	8.426E+02
187	5.867E+02	6.961E+02	8.251E+02
188	5.739E+02	6.813E+02	8.080E+02
189	5.615E+02	6.669E+02	7.913E+02
190	5.493E+02	6.528E+02	7.751E+02
191	5.375E+02	6.391E+02	7.592E+02
192	5.259E+02	6.257E+02	7.437E+02
193	5.147E+02	6.126E+02	7.286E+02
194	5.037E+02	5.999E+02	7.138E+02
195	4.930E+02	5.874E+02	6.994E+02
196	4.825E+02	5.753E+02	6.853E+02
197	4.723E+02	5.634E+02	6.715E+02
198	4.623E+02	5.518E+02	6.580E+02
199	4.526E+02	5.405E+02	6.448E+02
200	4.431E+02	5.294E+02	6.320E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	4.431E+02	5.294E+02	6.320E+02
201	4.337E+02	5.185E+02	6.193E+02
202	4.246E+02	5.079E+02	6.069E+02
203	4.157E+02	4.975E+02	5.948E+02
204	4.070E+02	4.874E+02	5.830E+02
205	3.986E+02	4.775E+02	5.715E+02
206	3.903E+02	4.679E+02	5.603E+02
207	3.823E+02	4.585E+02	5.493E+02
208	3.745E+02	4.493E+02	5.386E+02
209	3.668E+02	4.404E+02	5.282E+02
210	3.594E+02	4.317E+02	5.180E+02
211	3.522E+02	4.232E+02	5.081E+02
212	3.451E+02	4.150E+02	4.985E+02
213	3.383E+02	4.069E+02	4.890E+02
214	3.315E+02	3.990E+02	4.798E+02
215	3.250E+02	3.913E+02	4.707E+02
216	3.185E+02	3.837E+02	4.619E+02
217	3.122E+02	3.763E+02	4.532E+02
218	3.061E+02	3.691E+02	4.447E+02
219	3.001E+02	3.620E+02	4.364E+02
220	2.942E+02	3.551E+02	4.283E+02
221	2.884E+02	3.483E+02	4.202E+02
222	2.827E+02	3.416E+02	4.124E+02
223	2.772E+02	3.351E+02	4.047E+02
224	2.718E+02	3.287E+02	3.972E+02
225	2.665E+02	3.225E+02	3.899E+02
226	2.614E+02	3.164E+02	3.827E+02
227	2.564E+02	3.105E+02	3.757E+02
228	2.515E+02	3.047E+02	3.689E+02
229	2.467E+02	2.990E+02	3.622E+02
230	2.420E+02	2.935E+02	3.557E+02
231	2.375E+02	2.882E+02	3.494E+02
232	2.331E+02	2.830E+02	3.433E+02
233	2.288E+02	2.779E+02	3.372E+02
234	2.246E+02	2.729E+02	3.313E+02
235	2.204E+02	2.680E+02	3.255E+02
236	2.163E+02	2.631E+02	3.197E+02
237	2.123E+02	2.584E+02	3.141E+02
238	2.084E+02	2.537E+02	3.086E+02
239	2.046E+02	2.491E+02	3.032E+02
240	2.008E+02	2.446E+02	2.978E+02
241	1.970E+02	2.401E+02	2.925E+02
242	1.933E+02	2.357E+02	2.872E+02
243	1.897E+02	2.314E+02	2.821E+02
244	1.861E+02	2.272E+02	2.771E+02
245	1.827E+02	2.231E+02	2.722E+02
246	1.793E+02	2.191E+02	2.674E+02
247	1.760E+02	2.151E+02	2.627E+02
248	1.728E+02	2.113E+02	2.581E+02
249	1.696E+02	2.075E+02	2.536E+02
250	1.665E+02	2.038E+02	2.492E+02

