



## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	<b>GH20-3U104F*</b>
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	100000 Ω	R+TOLERANCE (%)	1	R-TOLERANCE (%)	1
B (T1°C/T2°C)	3965 K	B+TOLERANCE (K)	39.65	B-TOLERANCE (K)	39.65

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	3.502E+04	3.574E+04	3.647E+04
51	3.369E+04	3.439E+04	3.511E+04
52	3.241E+04	3.310E+04	3.380E+04
53	3.119E+04	3.186E+04	3.255E+04
54	3.001E+04	3.068E+04	3.135E+04
55	2.889E+04	2.954E+04	3.020E+04
56	2.782E+04	2.845E+04	2.910E+04
57	2.679E+04	2.741E+04	2.804E+04
58	2.580E+04	2.641E+04	2.703E+04
59	2.486E+04	2.545E+04	2.606E+04
60	2.395E+04	2.453E+04	2.512E+04
61	2.308E+04	2.365E+04	2.423E+04
62	2.225E+04	2.280E+04	2.337E+04
63	2.145E+04	2.199E+04	2.255E+04
64	2.068E+04	2.121E+04	2.176E+04
65	1.994E+04	2.047E+04	2.100E+04
66	1.924E+04	1.975E+04	2.027E+04
67	1.856E+04	1.906E+04	1.957E+04
68	1.791E+04	1.840E+04	1.889E+04
69	1.728E+04	1.776E+04	1.825E+04
70	1.668E+04	1.715E+04	1.762E+04
71	1.611E+04	1.656E+04	1.703E+04
72	1.555E+04	1.600E+04	1.645E+04
73	1.502E+04	1.545E+04	1.590E+04
74	1.451E+04	1.493E+04	1.537E+04
75	1.401E+04	1.443E+04	1.485E+04
76	1.354E+04	1.395E+04	1.436E+04
77	1.309E+04	1.348E+04	1.389E+04
78	1.265E+04	1.303E+04	1.343E+04
79	1.223E+04	1.260E+04	1.299E+04
80	1.182E+04	1.219E+04	1.257E+04
81	1.143E+04	1.179E+04	1.216E+04
82	1.105E+04	1.141E+04	1.177E+04
83	1.069E+04	1.104E+04	1.139E+04
84	1.034E+04	1.068E+04	1.103E+04
85	1.001E+04	1.034E+04	1.067E+04
86	9.684E+03	1.001E+04	1.034E+04
87	9.372E+03	9.686E+03	1.001E+04
88	9.072E+03	9.379E+03	9.695E+03
89	8.783E+03	9.083E+03	9.392E+03
90	8.504E+03	8.797E+03	9.099E+03
91	8.236E+03	8.522E+03	8.817E+03
92	7.977E+03	8.256E+03	8.545E+03
93	7.727E+03	8.000E+03	8.282E+03
94	7.486E+03	7.753E+03	8.029E+03
95	7.254E+03	7.515E+03	7.784E+03
96	7.030E+03	7.285E+03	7.548E+03
97	6.813E+03	7.063E+03	7.320E+03
98	6.605E+03	6.848E+03	7.100E+03
99	6.404E+03	6.642E+03	6.888E+03
100	6.209E+03	6.442E+03	6.683E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	6.209E+03	6.442E+03	6.683E+03
101	6.022E+03	6.249E+03	6.484E+03
102	5.841E+03	6.063E+03	6.293E+03
103	5.666E+03	5.883E+03	6.108E+03
104	5.497E+03	5.710E+03	5.929E+03
105	5.334E+03	5.542E+03	5.757E+03
106	5.176E+03	5.379E+03	5.590E+03
107	5.024E+03	5.222E+03	5.428E+03
108	4.877E+03	5.071E+03	5.272E+03
109	4.734E+03	4.924E+03	5.121E+03
110	4.597E+03	4.782E+03	4.975E+03
111	4.463E+03	4.645E+03	4.833E+03
112	4.334E+03	4.512E+03	4.696E+03
113	4.210E+03	4.383E+03	4.563E+03
114	4.089E+03	4.259E+03	4.435E+03
115	3.973E+03	4.138E+03	4.311E+03
116	3.860E+03	4.022E+03	4.191E+03
117	3.751E+03	3.910E+03	4.074E+03
118	3.646E+03	3.801E+03	3.962E+03
119	3.544E+03	3.695E+03	3.853E+03
120	3.445E+03	3.593E+03	3.748E+03
121	3.350E+03	3.495E+03	3.646E+03
122	3.257E+03	3.399E+03	3.547E+03
123	3.168E+03	3.307E+03	3.452E+03
124	3.081E+03	3.217E+03	3.359E+03
125	2.997E+03	3.131E+03	3.269E+03
126	2.916E+03	3.046E+03	3.182E+03
127	2.837E+03	2.965E+03	3.098E+03
128	2.761E+03	2.886E+03	3.016E+03
129	2.687E+03	2.809E+03	2.937E+03
130	2.616E+03	2.735E+03	2.860E+03
131	2.546E+03	2.663E+03	2.785E+03
132	2.479E+03	2.593E+03	2.713E+03
133	2.413E+03	2.525E+03	2.642E+03
134	2.350E+03	2.460E+03	2.574E+03
135	2.288E+03	2.396E+03	2.508E+03
136	2.229E+03	2.334E+03	2.444E+03
137	2.171E+03	2.274E+03	2.382E+03
138	2.115E+03	2.216E+03	2.321E+03
139	2.060E+03	2.159E+03	2.262E+03
140	2.007E+03	2.104E+03	2.205E+03
141	1.956E+03	2.051E+03	2.150E+03
142	1.906E+03	1.999E+03	2.096E+03
143	1.858E+03	1.948E+03	2.044E+03
144	1.811E+03	1.900E+03	1.993E+03
145	1.765E+03	1.852E+03	1.943E+03
146	1.721E+03	1.806E+03	1.895E+03
147	1.678E+03	1.761E+03	1.849E+03
148	1.636E+03	1.718E+03	1.804E+03
149	1.595E+03	1.676E+03	1.760E+03
150	1.556E+03	1.635E+03	1.717E+03

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B(T1°C/T2°C)	3965 K	B+TOLERANCE (K)	39.65	B-TOLERANCE (K)	39.65

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	1.556E+03	1.635E+03	1.717E+03
151	1.518E+03	1.595E+03	1.676E+03
152	1.481E+03	1.556E+03	1.635E+03
153	1.445E+03	1.519E+03	1.596E+03
154	1.410E+03	1.482E+03	1.558E+03
155	1.375E+03	1.447E+03	1.521E+03
156	1.342E+03	1.412E+03	1.485E+03
157	1.310E+03	1.378E+03	1.450E+03
158	1.279E+03	1.346E+03	1.416E+03
159	1.248E+03	1.314E+03	1.383E+03
160	1.219E+03	1.283E+03	1.351E+03
161	1.190E+03	1.253E+03	1.319E+03
162	1.162E+03	1.224E+03	1.289E+03
163	1.134E+03	1.195E+03	1.259E+03
164	1.108E+03	1.167E+03	1.230E+03
165	1.082E+03	1.140E+03	1.202E+03
166	1.057E+03	1.114E+03	1.174E+03
167	1.032E+03	1.089E+03	1.148E+03
168	1.009E+03	1.064E+03	1.122E+03
169	9.854E+02	1.039E+03	1.096E+03
170	9.628E+02	1.016E+03	1.072E+03
171	9.408E+02	9.927E+02	1.047E+03
172	9.193E+02	9.703E+02	1.024E+03
173	8.984E+02	9.485E+02	1.001E+03
174	8.781E+02	9.272E+02	9.789E+02
175	8.583E+02	9.065E+02	9.572E+02
176	8.391E+02	8.863E+02	9.361E+02
177	8.203E+02	8.667E+02	9.155E+02
178	8.021E+02	8.475E+02	8.955E+02
179	7.843E+02	8.289E+02	8.760E+02
180	7.669E+02	8.107E+02	8.570E+02
181	7.501E+02	7.931E+02	8.385E+02
182	7.337E+02	7.759E+02	8.204E+02
183	7.177E+02	7.591E+02	8.029E+02
184	7.021E+02	7.428E+02	7.857E+02
185	6.869E+02	7.268E+02	7.690E+02
186	6.721E+02	7.113E+02	7.527E+02
187	6.576E+02	6.961E+02	7.368E+02
188	6.435E+02	6.813E+02	7.212E+02
189	6.298E+02	6.669E+02	7.061E+02
190	6.164E+02	6.528E+02	6.913E+02
191	6.033E+02	6.391E+02	6.769E+02
192	5.906E+02	6.257E+02	6.629E+02
193	5.781E+02	6.126E+02	6.491E+02
194	5.660E+02	5.999E+02	6.358E+02
195	5.541E+02	5.874E+02	6.227E+02
196	5.426E+02	5.753E+02	6.099E+02
197	5.313E+02	5.634E+02	5.974E+02
198	5.202E+02	5.518E+02	5.852E+02
199	5.095E+02	5.405E+02	5.733E+02
200	4.989E+02	5.294E+02	5.616E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	4.989E+02	5.294E+02	5.616E+02
201	4.886E+02	5.185E+02	5.502E+02
202	4.785E+02	5.079E+02	5.390E+02
203	4.686E+02	4.975E+02	5.281E+02
204	4.590E+02	4.874E+02	5.174E+02
205	4.496E+02	4.775E+02	5.070E+02
206	4.405E+02	4.679E+02	4.969E+02
207	4.316E+02	4.585E+02	4.870E+02
208	4.229E+02	4.493E+02	4.774E+02
209	4.144E+02	4.404E+02	4.679E+02
210	4.061E+02	4.317E+02	4.588E+02
211	3.981E+02	4.232E+02	4.499E+02
212	3.903E+02	4.150E+02	4.412E+02
213	3.826E+02	4.069E+02	4.327E+02
214	3.751E+02	3.990E+02	4.243E+02
215	3.678E+02	3.913E+02	4.162E+02
216	3.607E+02	3.837E+02	4.082E+02
217	3.537E+02	3.763E+02	4.004E+02
218	3.468E+02	3.691E+02	3.928E+02
219	3.401E+02	3.620E+02	3.853E+02
220	3.336E+02	3.551E+02	3.780E+02
221	3.271E+02	3.483E+02	3.708E+02
222	3.208E+02	3.416E+02	3.638E+02
223	3.146E+02	3.351E+02	3.569E+02
224	3.086E+02	3.287E+02	3.502E+02
225	3.027E+02	3.225E+02	3.436E+02
226	2.969E+02	3.164E+02	3.372E+02
227	2.913E+02	3.105E+02	3.309E+02
228	2.858E+02	3.047E+02	3.248E+02
229	2.805E+02	2.990E+02	3.188E+02
230	2.752E+02	2.935E+02	3.129E+02
231	2.702E+02	2.882E+02	3.073E+02
232	2.653E+02	2.830E+02	3.018E+02
233	2.605E+02	2.779E+02	2.964E+02
234	2.557E+02	2.729E+02	2.911E+02
235	2.511E+02	2.680E+02	2.859E+02
236	2.465E+02	2.631E+02	2.808E+02
237	2.420E+02	2.584E+02	2.758E+02
238	2.376E+02	2.537E+02	2.709E+02
239	2.333E+02	2.491E+02	2.660E+02
240	2.291E+02	2.446E+02	2.612E+02
241	2.248E+02	2.401E+02	2.565E+02
242	2.207E+02	2.357E+02	2.518E+02
243	2.166E+02	2.314E+02	2.472E+02
244	2.126E+02	2.272E+02	2.428E+02
245	2.087E+02	2.231E+02	2.384E+02
246	2.049E+02	2.191E+02	2.341E+02
247	2.012E+02	2.151E+02	2.300E+02
248	1.976E+02	2.113E+02	2.259E+02
249	1.940E+02	2.075E+02	2.219E+02
250	1.906E+02	2.038E+02	2.180E+02

