

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GH20-3U503F*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	50000 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	1.751E+04	1.787E+04	1.824E+04
51	1.684E+04	1.720E+04	1.755E+04
52	1.620E+04	1.655E+04	1.690E+04
53	1.559E+04	1.593E+04	1.628E+04
54	1.501E+04	1.534E+04	1.568E+04
55	1.445E+04	1.477E+04	1.510E+04
56	1.391E+04	1.423E+04	1.455E+04
57	1.339E+04	1.370E+04	1.402E+04
58	1.290E+04	1.320E+04	1.351E+04
59	1.243E+04	1.273E+04	1.303E+04
60	1.197E+04	1.227E+04	1.256E+04
61	1.154E+04	1.182E+04	1.212E+04
62	1.112E+04	1.140E+04	1.169E+04
63	1.072E+04	1.100E+04	1.127E+04
64	1.034E+04	1.061E+04	1.088E+04
65	9.972E+03	1.023E+04	1.050E+04
66	9.619E+03	9.874E+03	1.013E+04
67	9.280E+03	9.529E+03	9.783E+03
68	8.954E+03	9.198E+03	9.447E+03
69	8.642E+03	8.879E+03	9.123E+03
70	8.341E+03	8.574E+03	8.812E+03
71	8.053E+03	8.280E+03	8.513E+03
72	7.776E+03	7.998E+03	8.226E+03
73	7.510E+03	7.727E+03	7.949E+03
74	7.254E+03	7.466E+03	7.683E+03
75	7.007E+03	7.215E+03	7.427E+03
76	6.771E+03	6.973E+03	7.181E+03
77	6.543E+03	6.741E+03	6.944E+03
78	6.324E+03	6.517E+03	6.716E+03
79	6.113E+03	6.302E+03	6.496E+03
80	5.910E+03	6.095E+03	6.285E+03
81	5.715E+03	5.895E+03	6.081E+03
82	5.527E+03	5.703E+03	5.884E+03
83	5.346E+03	5.518E+03	5.695E+03
84	5.171E+03	5.340E+03	5.513E+03
85	5.004E+03	5.168E+03	5.337E+03
86	4.842E+03	5.003E+03	5.168E+03
87	4.686E+03	4.843E+03	5.005E+03
88	4.536E+03	4.689E+03	4.847E+03
89	4.391E+03	4.541E+03	4.696E+03
90	4.252E+03	4.399E+03	4.550E+03
91	4.118E+03	4.261E+03	4.408E+03
92	3.988E+03	4.128E+03	4.272E+03
93	3.863E+03	4.000E+03	4.141E+03
94	3.743E+03	3.877E+03	4.014E+03
95	3.627E+03	3.757E+03	3.892E+03
96	3.515E+03	3.642E+03	3.774E+03
97	3.407E+03	3.531E+03	3.660E+03
98	3.302E+03	3.424E+03	3.550E+03
99	3.202E+03	3.321E+03	3.444E+03
100	3.105E+03	3.221E+03	3.341E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	3.105E+03	3.221E+03	3.341E+03
101	3.011E+03	3.125E+03	3.242E+03
102	2.920E+03	3.032E+03	3.147E+03
103	2.833E+03	2.942E+03	3.054E+03
104	2.749E+03	2.855E+03	2.965E+03
105	2.667E+03	2.771E+03	2.878E+03
106	2.588E+03	2.690E+03	2.795E+03
107	2.512E+03	2.611E+03	2.714E+03
108	2.438E+03	2.535E+03	2.636E+03
109	2.367E+03	2.462E+03	2.560E+03
110	2.298E+03	2.391E+03	2.487E+03
111	2.232E+03	2.322E+03	2.416E+03
112	2.167E+03	2.256E+03	2.348E+03
113	2.105E+03	2.192E+03	2.282E+03
114	2.045E+03	2.129E+03	2.217E+03
115	1.986E+03	2.069E+03	2.155E+03
116	1.930E+03	2.011E+03	2.095E+03
117	1.875E+03	1.955E+03	2.037E+03
118	1.823E+03	1.900E+03	1.981E+03
119	1.772E+03	1.848E+03	1.927E+03
120	1.722E+03	1.797E+03	1.874E+03
121	1.675E+03	1.747E+03	1.823E+03
122	1.629E+03	1.700E+03	1.774E+03
123	1.584E+03	1.653E+03	1.726E+03
124	1.541E+03	1.609E+03	1.680E+03
125	1.499E+03	1.565E+03	1.635E+03
126	1.458E+03	1.523E+03	1.591E+03
127	1.419E+03	1.482E+03	1.549E+03
128	1.381E+03	1.443E+03	1.508E+03
129	1.344E+03	1.405E+03	1.468E+03
130	1.308E+03	1.368E+03	1.430E+03
131	1.273E+03	1.331E+03	1.393E+03
132	1.239E+03	1.297E+03	1.356E+03
133	1.207E+03	1.263E+03	1.321E+03
134	1.175E+03	1.230E+03	1.287E+03
135	1.144E+03	1.198E+03	1.254E+03
136	1.114E+03	1.167E+03	1.222E+03
137	1.085E+03	1.137E+03	1.191E+03
138	1.057E+03	1.108E+03	1.160E+03
139	1.030E+03	1.079E+03	1.131E+03
140	1.004E+03	1.052E+03	1.103E+03
141	9.779E+02	1.025E+03	1.075E+03
142	9.530E+02	9.994E+02	1.048E+03
143	9.288E+02	9.742E+02	1.022E+03
144	9.053E+02	9.498E+02	9.964E+02
145	8.825E+02	9.261E+02	9.717E+02
146	8.603E+02	9.030E+02	9.477E+02
147	8.388E+02	8.806E+02	9.245E+02
148	8.179E+02	8.589E+02	9.019E+02
149	7.977E+02	8.378E+02	8.799E+02
150	7.780E+02	8.173E+02	8.586E+02

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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	50000 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)
150	7.780E+02	8.173E+02	8.586E+02
151	7.589E+02	7.974E+02	8.379E+02
152	7.403E+02	7.781E+02	8.177E+02
153	7.223E+02	7.593E+02	7.982E+02
154	7.048E+02	7.410E+02	7.791E+02
155	6.877E+02	7.233E+02	7.606E+02
156	6.711E+02	7.060E+02	7.426E+02
157	6.550E+02	6.892E+02	7.251E+02
158	6.394E+02	6.729E+02	7.081E+02
159	6.241E+02	6.570E+02	6.915E+02
160	6.093E+02	6.415E+02	6.753E+02
161	5.949E+02	6.265E+02	6.596E+02
162	5.809E+02	6.118E+02	6.444E+02
163	5.672E+02	5.976E+02	6.295E+02
164	5.539E+02	5.837E+02	6.150E+02
165	5.410E+02	5.702E+02	6.009E+02
166	5.284E+02	5.571E+02	5.872E+02
167	5.162E+02	5.443E+02	5.738E+02
168	5.043E+02	5.318E+02	5.608E+02
169	4.927E+02	5.197E+02	5.481E+02
170	4.814E+02	5.079E+02	5.358E+02
171	4.704E+02	4.964E+02	5.237E+02
172	4.597E+02	4.851E+02	5.120E+02
173	4.492E+02	4.742E+02	5.006E+02
174	4.391E+02	4.636E+02	4.894E+02
175	4.292E+02	4.532E+02	4.786E+02
176	4.195E+02	4.432E+02	4.681E+02
177	4.102E+02	4.333E+02	4.578E+02
178	4.010E+02	4.238E+02	4.478E+02
179	3.921E+02	4.144E+02	4.380E+02
180	3.835E+02	4.054E+02	4.285E+02
181	3.751E+02	3.965E+02	4.192E+02
182	3.668E+02	3.879E+02	4.102E+02
183	3.588E+02	3.796E+02	4.014E+02
184	3.510E+02	3.714E+02	3.929E+02
185	3.434E+02	3.634E+02	3.845E+02
186	3.360E+02	3.556E+02	3.763E+02
187	3.288E+02	3.480E+02	3.684E+02
188	3.218E+02	3.406E+02	3.606E+02
189	3.149E+02	3.334E+02	3.530E+02
190	3.082E+02	3.264E+02	3.457E+02
191	3.017E+02	3.195E+02	3.385E+02
192	2.953E+02	3.129E+02	3.314E+02
193	2.891E+02	3.063E+02	3.246E+02
194	2.830E+02	2.999E+02	3.179E+02
195	2.771E+02	2.937E+02	3.113E+02
196	2.713E+02	2.876E+02	3.049E+02
197	2.656E+02	2.817E+02	2.987E+02
198	2.601E+02	2.759E+02	2.926E+02
199	2.547E+02	2.702E+02	2.866E+02
200	2.495E+02	2.647E+02	2.808E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	2.495E+02	2.647E+02	2.808E+02
201	2.443E+02	2.592E+02	2.751E+02
202	2.392E+02	2.539E+02	2.695E+02
203	2.343E+02	2.487E+02	2.640E+02
204	2.295E+02	2.437E+02	2.587E+02
205	2.248E+02	2.387E+02	2.535E+02
206	2.203E+02	2.339E+02	2.484E+02
207	2.158E+02	2.292E+02	2.435E+02
208	2.114E+02	2.247E+02	2.387E+02
209	2.072E+02	2.202E+02	2.340E+02
210	2.031E+02	2.158E+02	2.294E+02
211	1.991E+02	2.116E+02	2.249E+02
212	1.951E+02	2.075E+02	2.206E+02
213	1.913E+02	2.034E+02	2.163E+02
214	1.876E+02	1.995E+02	2.122E+02
215	1.839E+02	1.956E+02	2.081E+02
216	1.803E+02	1.919E+02	2.041E+02
217	1.768E+02	1.882E+02	2.002E+02
218	1.734E+02	1.846E+02	1.964E+02
219	1.701E+02	1.810E+02	1.927E+02
220	1.668E+02	1.776E+02	1.890E+02
221	1.635E+02	1.741E+02	1.854E+02
222	1.604E+02	1.708E+02	1.819E+02
223	1.573E+02	1.675E+02	1.784E+02
224	1.543E+02	1.644E+02	1.751E+02
225	1.513E+02	1.613E+02	1.718E+02
226	1.485E+02	1.582E+02	1.686E+02
227	1.457E+02	1.552E+02	1.655E+02
228	1.429E+02	1.524E+02	1.624E+02
229	1.402E+02	1.495E+02	1.594E+02
230	1.376E+02	1.468E+02	1.565E+02
231	1.351E+02	1.441E+02	1.537E+02
232	1.327E+02	1.415E+02	1.509E+02
233	1.302E+02	1.390E+02	1.482E+02
234	1.279E+02	1.364E+02	1.456E+02
235	1.255E+02	1.340E+02	1.430E+02
236	1.233E+02	1.316E+02	1.404E+02
237	1.210E+02	1.292E+02	1.379E+02
238	1.188E+02	1.269E+02	1.354E+02
239	1.167E+02	1.246E+02	1.330E+02
240	1.145E+02	1.223E+02	1.306E+02
241	1.124E+02	1.201E+02	1.282E+02
242	1.103E+02	1.179E+02	1.259E+02
243	1.083E+02	1.157E+02	1.236E+02
244	1.063E+02	1.136E+02	1.214E+02
245	1.044E+02	1.115E+02	1.192E+02
246	1.025E+02	1.095E+02	1.171E+02
247	1.006E+02	1.076E+02	1.150E+02
248	9.880E+01	1.056E+02	1.129E+02
249	9.702E+01	1.038E+02	1.109E+02
250	9.529E+01	1.019E+02	1.090E+02

