



## NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GA20-3U503H*
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T0 (°C)	T1 (°C)	T2 (°C)
25	25	50

R at T0°C	50000 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	1.681E+04	1.787E+04	1.898E+04
51	1.616E+04	1.720E+04	1.829E+04
52	1.553E+04	1.655E+04	1.762E+04
53	1.493E+04	1.593E+04	1.698E+04
54	1.436E+04	1.534E+04	1.637E+04
55	1.381E+04	1.477E+04	1.578E+04
56	1.329E+04	1.423E+04	1.521E+04
57	1.279E+04	1.370E+04	1.467E+04
58	1.231E+04	1.320E+04	1.415E+04
59	1.185E+04	1.273E+04	1.365E+04
60	1.141E+04	1.227E+04	1.317E+04
61	1.099E+04	1.182E+04	1.271E+04
62	1.058E+04	1.140E+04	1.227E+04
63	1.020E+04	1.100E+04	1.185E+04
64	9.824E+03	1.061E+04	1.144E+04
65	9.468E+03	1.023E+04	1.105E+04
66	9.126E+03	9.874E+03	1.067E+04
67	8.799E+03	9.529E+03	1.031E+04
68	8.484E+03	9.198E+03	9.962E+03
69	8.182E+03	8.879E+03	9.627E+03
70	7.893E+03	8.574E+03	9.305E+03
71	7.615E+03	8.280E+03	8.996E+03
72	7.348E+03	7.998E+03	8.698E+03
73	7.091E+03	7.727E+03	8.411E+03
74	6.845E+03	7.466E+03	8.135E+03
75	6.608E+03	7.215E+03	7.869E+03
76	6.381E+03	6.973E+03	7.613E+03
77	6.162E+03	6.741E+03	7.367E+03
78	5.952E+03	6.517E+03	7.129E+03
79	5.750E+03	6.302E+03	6.901E+03
80	5.556E+03	6.095E+03	6.680E+03
81	5.369E+03	5.895E+03	6.467E+03
82	5.189E+03	5.703E+03	6.263E+03
83	5.016E+03	5.518E+03	6.065E+03
84	4.849E+03	5.340E+03	5.875E+03
85	4.689E+03	5.168E+03	5.691E+03
86	4.535E+03	5.003E+03	5.514E+03
87	4.386E+03	4.843E+03	5.343E+03
88	4.243E+03	4.689E+03	5.178E+03
89	4.105E+03	4.541E+03	5.019E+03
90	3.973E+03	4.399E+03	4.866E+03
91	3.845E+03	4.261E+03	4.718E+03
92	3.722E+03	4.128E+03	4.575E+03
93	3.603E+03	4.000E+03	4.437E+03
94	3.489E+03	3.877E+03	4.304E+03
95	3.378E+03	3.757E+03	4.175E+03
96	3.272E+03	3.642E+03	4.051E+03
97	3.170E+03	3.531E+03	3.931E+03
98	3.071E+03	3.424E+03	3.815E+03
99	2.975E+03	3.321E+03	3.703E+03
100	2.884E+03	3.221E+03	3.595E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	2.884E+03	3.221E+03	3.595E+03
101	2.795E+03	3.125E+03	3.490E+03
102	2.709E+03	3.032E+03	3.389E+03
103	2.627E+03	2.942E+03	3.291E+03
104	2.547E+03	2.855E+03	3.197E+03
105	2.470E+03	2.771E+03	3.105E+03
106	2.396E+03	2.690E+03	3.017E+03
107	2.324E+03	2.611E+03	2.931E+03
108	2.255E+03	2.535E+03	2.848E+03
109	2.188E+03	2.462E+03	2.768E+03
110	2.123E+03	2.391E+03	2.691E+03
111	2.060E+03	2.322E+03	2.615E+03
112	2.000E+03	2.256E+03	2.543E+03
113	1.941E+03	2.192E+03	2.472E+03
114	1.884E+03	2.129E+03	2.404E+03
115	1.830E+03	2.069E+03	2.338E+03
116	1.777E+03	2.011E+03	2.274E+03
117	1.726E+03	1.955E+03	2.212E+03
118	1.676E+03	1.900E+03	2.152E+03
119	1.629E+03	1.848E+03	2.094E+03
120	1.583E+03	1.797E+03	2.038E+03
121	1.538E+03	1.747E+03	1.983E+03
122	1.495E+03	1.700E+03	1.931E+03
123	1.453E+03	1.653E+03	1.880E+03
124	1.413E+03	1.609E+03	1.830E+03
125	1.374E+03	1.565E+03	1.782E+03
126	1.336E+03	1.523E+03	1.736E+03
127	1.299E+03	1.482E+03	1.690E+03
128	1.263E+03	1.443E+03	1.647E+03
129	1.229E+03	1.405E+03	1.604E+03
130	1.196E+03	1.368E+03	1.563E+03
131	1.163E+03	1.331E+03	1.523E+03
132	1.132E+03	1.297E+03	1.484E+03
133	1.102E+03	1.263E+03	1.446E+03
134	1.072E+03	1.230E+03	1.409E+03
135	1.044E+03	1.198E+03	1.374E+03
136	1.016E+03	1.167E+03	1.339E+03
137	9.890E+02	1.137E+03	1.306E+03
138	9.629E+02	1.108E+03	1.273E+03
139	9.377E+02	1.079E+03	1.242E+03
140	9.132E+02	1.052E+03	1.211E+03
141	8.894E+02	1.025E+03	1.181E+03
142	8.663E+02	9.994E+02	1.152E+03
143	8.439E+02	9.742E+02	1.124E+03
144	8.222E+02	9.498E+02	1.096E+03
145	8.011E+02	9.261E+02	1.070E+03
146	7.806E+02	9.030E+02	1.044E+03
147	7.608E+02	8.806E+02	1.018E+03
148	7.415E+02	8.589E+02	9.940E+02
149	7.228E+02	8.378E+02	9.702E+02
150	7.047E+02	8.173E+02	9.471E+02

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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	7.047E+02	8.173E+02	9.471E+02
151	6.871E+02	7.974E+02	9.247E+02
152	6.700E+02	7.781E+02	9.029E+02
153	6.534E+02	7.593E+02	8.817E+02
154	6.372E+02	7.410E+02	8.610E+02
155	6.215E+02	7.233E+02	8.409E+02
156	6.063E+02	7.060E+02	8.214E+02
157	5.915E+02	6.892E+02	8.023E+02
158	5.771E+02	6.729E+02	7.838E+02
159	5.631E+02	6.570E+02	7.658E+02
160	5.495E+02	6.415E+02	7.482E+02
161	5.363E+02	6.265E+02	7.311E+02
162	5.234E+02	6.118E+02	7.145E+02
163	5.109E+02	5.976E+02	6.983E+02
164	4.987E+02	5.837E+02	6.825E+02
165	4.869E+02	5.702E+02	6.672E+02
166	4.754E+02	5.571E+02	6.522E+02
167	4.642E+02	5.443E+02	6.376E+02
168	4.533E+02	5.318E+02	6.234E+02
169	4.427E+02	5.197E+02	6.096E+02
170	4.324E+02	5.079E+02	5.961E+02
171	4.223E+02	4.964E+02	5.829E+02
172	4.125E+02	4.851E+02	5.701E+02
173	4.030E+02	4.742E+02	5.576E+02
174	3.937E+02	4.636E+02	5.454E+02
175	3.847E+02	4.532E+02	5.335E+02
176	3.759E+02	4.432E+02	5.220E+02
177	3.674E+02	4.333E+02	5.107E+02
178	3.590E+02	4.238E+02	4.997E+02
179	3.509E+02	4.144E+02	4.890E+02
180	3.431E+02	4.054E+02	4.786E+02
181	3.354E+02	3.965E+02	4.684E+02
182	3.279E+02	3.879E+02	4.585E+02
183	3.207E+02	3.796E+02	4.489E+02
184	3.136E+02	3.714E+02	4.395E+02
185	3.067E+02	3.634E+02	4.303E+02
186	2.999E+02	3.556E+02	4.213E+02
187	2.934E+02	3.480E+02	4.125E+02
188	2.870E+02	3.406E+02	4.040E+02
189	2.807E+02	3.334E+02	3.957E+02
190	2.747E+02	3.264E+02	3.875E+02
191	2.687E+02	3.195E+02	3.796E+02
192	2.630E+02	3.129E+02	3.719E+02
193	2.573E+02	3.063E+02	3.643E+02
194	2.518E+02	2.999E+02	3.569E+02
195	2.465E+02	2.937E+02	3.497E+02
196	2.412E+02	2.876E+02	3.426E+02
197	2.361E+02	2.817E+02	3.357E+02
198	2.312E+02	2.759E+02	3.290E+02
199	2.263E+02	2.702E+02	3.224E+02
200	2.215E+02	2.647E+02	3.160E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	2.215E+02	2.647E+02	3.160E+02
201	2.169E+02	2.592E+02	3.096E+02
202	2.123E+02	2.539E+02	3.034E+02
203	2.078E+02	2.487E+02	2.974E+02
204	2.035E+02	2.437E+02	2.915E+02
205	1.993E+02	2.387E+02	2.858E+02
206	1.952E+02	2.339E+02	2.801E+02
207	1.912E+02	2.292E+02	2.747E+02
208	1.872E+02	2.247E+02	2.693E+02
209	1.834E+02	2.202E+02	2.641E+02
210	1.797E+02	2.158E+02	2.590E+02
211	1.761E+02	2.116E+02	2.541E+02
212	1.726E+02	2.075E+02	2.492E+02
213	1.691E+02	2.034E+02	2.445E+02
214	1.658E+02	1.995E+02	2.399E+02
215	1.625E+02	1.956E+02	2.354E+02
216	1.593E+02	1.919E+02	2.309E+02
217	1.561E+02	1.882E+02	2.266E+02
218	1.530E+02	1.846E+02	2.224E+02
219	1.500E+02	1.810E+02	2.182E+02
220	1.471E+02	1.776E+02	2.141E+02
221	1.442E+02	1.741E+02	2.101E+02
222	1.414E+02	1.708E+02	2.062E+02
223	1.386E+02	1.675E+02	2.024E+02
224	1.359E+02	1.644E+02	1.986E+02
225	1.333E+02	1.613E+02	1.949E+02
226	1.307E+02	1.582E+02	1.914E+02
227	1.282E+02	1.552E+02	1.879E+02
228	1.257E+02	1.524E+02	1.844E+02
229	1.233E+02	1.495E+02	1.811E+02
230	1.210E+02	1.468E+02	1.778E+02
231	1.188E+02	1.441E+02	1.747E+02
232	1.166E+02	1.415E+02	1.716E+02
233	1.144E+02	1.390E+02	1.686E+02
234	1.123E+02	1.364E+02	1.656E+02
235	1.102E+02	1.340E+02	1.627E+02
236	1.082E+02	1.316E+02	1.599E+02
237	1.062E+02	1.292E+02	1.571E+02
238	1.042E+02	1.269E+02	1.543E+02
239	1.023E+02	1.246E+02	1.516E+02
240	1.004E+02	1.223E+02	1.489E+02
241	9.849E+01	1.201E+02	1.462E+02
242	9.664E+01	1.179E+02	1.436E+02
243	9.483E+01	1.157E+02	1.411E+02
244	9.306E+01	1.136E+02	1.385E+02
245	9.134E+01	1.115E+02	1.361E+02
246	8.965E+01	1.095E+02	1.337E+02
247	8.800E+01	1.076E+02	1.314E+02
248	8.639E+01	1.056E+02	1.291E+02
249	8.481E+01	1.038E+02	1.268E+02
250	8.327E+01	1.019E+02	1.246E+02

