

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7B104H*
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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)	4828 K	B+TOLERANCE (K)	144.84	B-TOLERANCE (K)	144.84

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	6.411E+06	7.568E+06	8.926E+06
-39	5.929E+06	6.980E+06	8.211E+06
-38	5.486E+06	6.441E+06	7.557E+06
-37	5.078E+06	5.947E+06	6.959E+06
-36	4.703E+06	5.493E+06	6.411E+06
-35	4.357E+06	5.077E+06	5.910E+06
-34	4.039E+06	4.695E+06	5.451E+06
-33	3.747E+06	4.343E+06	5.030E+06
-32	3.476E+06	4.020E+06	4.644E+06
-31	3.227E+06	3.723E+06	4.290E+06
-30	2.998E+06	3.449E+06	3.965E+06
-29	2.785E+06	3.197E+06	3.667E+06
-28	2.589E+06	2.965E+06	3.392E+06
-27	2.408E+06	2.751E+06	3.140E+06
-26	2.241E+06	2.554E+06	2.908E+06
-25	2.086E+06	2.372E+06	2.694E+06
-24	1.943E+06	2.204E+06	2.497E+06
-23	1.810E+06	2.049E+06	2.316E+06
-22	1.687E+06	1.905E+06	2.149E+06
-21	1.574E+06	1.773E+06	1.995E+06
-20	1.468E+06	1.650E+06	1.853E+06
-19	1.370E+06	1.537E+06	1.722E+06
-18	1.280E+06	1.432E+06	1.600E+06
-17	1.195E+06	1.334E+06	1.488E+06
-16	1.117E+06	1.244E+06	1.385E+06
-15	1.044E+06	1.161E+06	1.289E+06
-14	9.769E+05	1.083E+06	1.201E+06
-13	9.141E+05	1.012E+06	1.119E+06
-12	8.557E+05	9.450E+05	1.043E+06
-11	8.013E+05	8.831E+05	9.723E+05
-10	7.507E+05	8.256E+05	9.071E+05
-9	7.036E+05	7.722E+05	8.467E+05
-8	6.597E+05	7.225E+05	7.906E+05
-7	6.188E+05	6.763E+05	7.385E+05
-6	5.807E+05	6.333E+05	6.902E+05
-5	5.451E+05	5.933E+05	6.452E+05
-4	5.119E+05	5.561E+05	6.035E+05
-3	4.809E+05	5.214E+05	5.647E+05
-2	4.519E+05	4.890E+05	5.286E+05
-1	4.249E+05	4.588E+05	4.951E+05
0	3.996E+05	4.307E+05	4.638E+05

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	3.996E+05	4.307E+05	4.638E+05
1	3.760E+05	4.045E+05	4.347E+05
2	3.539E+05	3.800E+05	4.076E+05
3	3.332E+05	3.571E+05	3.823E+05
4	3.139E+05	3.357E+05	3.588E+05
5	2.958E+05	3.157E+05	3.368E+05
6	2.788E+05	2.971E+05	3.163E+05
7	2.629E+05	2.796E+05	2.971E+05
8	2.480E+05	2.633E+05	2.793E+05
9	2.340E+05	2.480E+05	2.626E+05
10	2.209E+05	2.337E+05	2.470E+05
11	2.086E+05	2.203E+05	2.324E+05
12	1.971E+05	2.077E+05	2.187E+05
13	1.862E+05	1.959E+05	2.060E+05
14	1.760E+05	1.849E+05	1.940E+05
15	1.665E+05	1.745E+05	1.828E+05
16	1.575E+05	1.648E+05	1.724E+05
17	1.490E+05	1.557E+05	1.625E+05
18	1.411E+05	1.471E+05	1.533E+05
19	1.336E+05	1.391E+05	1.447E+05
20	1.265E+05	1.315E+05	1.366E+05
21	1.199E+05	1.244E+05	1.290E+05
22	1.137E+05	1.178E+05	1.219E+05
23	1.078E+05	1.115E+05	1.152E+05
24	1.022E+05	1.056E+05	1.089E+05
25	9.700E+04	1.000E+05	1.030E+05
26	9.177E+04	9.476E+04	9.776E+04
27	8.685E+04	8.982E+04	9.282E+04
28	8.222E+04	8.517E+04	8.815E+04
29	7.786E+04	8.078E+04	8.375E+04
30	7.376E+04	7.665E+04	7.958E+04
31	6.989E+04	7.275E+04	7.565E+04
32	6.626E+04	6.907E+04	7.194E+04
33	6.283E+04	6.560E+04	6.843E+04
34	5.959E+04	6.232E+04	6.511E+04
35	5.655E+04	5.922E+04	6.197E+04
36	5.367E+04	5.629E+04	5.899E+04
37	5.096E+04	5.353E+04	5.618E+04
38	4.840E+04	5.092E+04	5.352E+04
39	4.598E+04	4.844E+04	5.100E+04
40	4.369E+04	4.611E+04	4.861E+04
41	4.154E+04	4.389E+04	4.634E+04
42	3.950E+04	4.180E+04	4.420E+04
43	3.757E+04	3.982E+04	4.216E+04
44	3.575E+04	3.794E+04	4.023E+04
45	3.402E+04	3.616E+04	3.840E+04
46	3.239E+04	3.448E+04	3.667E+04
47	3.085E+04	3.288E+04	3.502E+04
48	2.939E+04	3.137E+04	3.345E+04
49	2.800E+04	2.993E+04	3.197E+04
50	2.669E+04	2.857E+04	3.056E+04

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	GR15-7B104H*
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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)	4828 K	B+TOLERANCE (K)	144.84	B-TOLERANCE (K)	144.84

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
50	2.669E+04	2.857E+04	3.056E+04
51	2.545E+04	2.728E+04	2.921E+04
52	2.427E+04	2.605E+04	2.794E+04
53	2.316E+04	2.489E+04	2.673E+04
54	2.210E+04	2.378E+04	2.557E+04
55	2.109E+04	2.273E+04	2.448E+04
56	2.014E+04	2.173E+04	2.343E+04
57	1.923E+04	2.078E+04	2.244E+04
58	1.837E+04	1.988E+04	2.149E+04
59	1.756E+04	1.902E+04	2.059E+04
60	1.678E+04	1.821E+04	1.974E+04
61	1.605E+04	1.743E+04	1.892E+04
62	1.535E+04	1.669E+04	1.814E+04
63	1.468E+04	1.599E+04	1.740E+04
64	1.405E+04	1.532E+04	1.669E+04
65	1.344E+04	1.468E+04	1.601E+04
66	1.287E+04	1.407E+04	1.537E+04
67	1.232E+04	1.349E+04	1.475E+04
68	1.180E+04	1.294E+04	1.417E+04
69	1.131E+04	1.241E+04	1.361E+04
70	1.084E+04	1.191E+04	1.307E+04
71	1.039E+04	1.143E+04	1.256E+04
72	9.961E+03	1.097E+04	1.207E+04
73	9.552E+03	1.053E+04	1.161E+04
74	9.163E+03	1.012E+04	1.116E+04
75	8.792E+03	9.718E+03	1.073E+04
76	8.437E+03	9.338E+03	1.033E+04
77	8.099E+03	8.974E+03	9.935E+03
78	7.776E+03	8.626E+03	9.561E+03
79	7.468E+03	8.294E+03	9.203E+03
80	7.173E+03	7.976E+03	8.861E+03
81	6.891E+03	7.672E+03	8.533E+03
82	6.622E+03	7.381E+03	8.219E+03
83	6.365E+03	7.102E+03	7.918E+03
84	6.119E+03	6.836E+03	7.629E+03
85	5.884E+03	6.581E+03	7.353E+03
86	5.660E+03	6.337E+03	7.088E+03
87	5.445E+03	6.103E+03	6.834E+03
88	5.239E+03	5.879E+03	6.591E+03
89	5.042E+03	5.664E+03	6.357E+03
90	4.854E+03	5.458E+03	6.133E+03
91	4.673E+03	5.261E+03	5.918E+03
92	4.501E+03	5.072E+03	5.712E+03
93	4.335E+03	4.891E+03	5.514E+03
94	4.177E+03	4.717E+03	5.323E+03
95	4.025E+03	4.551E+03	5.141E+03
96	3.879E+03	4.391E+03	4.965E+03
97	3.740E+03	4.237E+03	4.797E+03
98	3.606E+03	4.090E+03	4.635E+03
99	3.477E+03	3.949E+03	4.479E+03
100	3.354E+03	3.813E+03	4.330E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
100	3.354E+03	3.813E+03	4.330E+03
101	3.236E+03	3.682E+03	4.186E+03
102	3.123E+03	3.557E+03	4.048E+03
103	3.014E+03	3.437E+03	3.915E+03
104	2.910E+03	3.321E+03	3.787E+03
105	2.809E+03	3.210E+03	3.664E+03
106	2.713E+03	3.103E+03	3.545E+03
107	2.621E+03	3.000E+03	3.431E+03
108	2.532E+03	2.901E+03	3.322E+03
109	2.446E+03	2.806E+03	3.216E+03
110	2.364E+03	2.715E+03	3.114E+03
111	2.285E+03	2.627E+03	3.016E+03
112	2.209E+03	2.542E+03	2.922E+03
113	2.136E+03	2.460E+03	2.831E+03
114	2.066E+03	2.382E+03	2.743E+03
115	1.999E+03	2.306E+03	2.659E+03
116	1.934E+03	2.233E+03	2.577E+03
117	1.871E+03	2.163E+03	2.499E+03
118	1.811E+03	2.096E+03	2.423E+03
119	1.753E+03	2.031E+03	2.350E+03
120	1.697E+03	1.968E+03	2.279E+03
121	1.644E+03	1.907E+03	2.211E+03
122	1.592E+03	1.849E+03	2.146E+03
123	1.542E+03	1.793E+03	2.082E+03
124	1.494E+03	1.739E+03	2.021E+03
125	1.448E+03	1.686E+03	1.962E+03
126	1.403E+03	1.636E+03	1.905E+03
127	1.360E+03	1.587E+03	1.850E+03
128	1.319E+03	1.540E+03	1.797E+03
129	1.278E+03	1.494E+03	1.745E+03
130	1.240E+03	1.451E+03	1.696E+03
131	1.202E+03	1.408E+03	1.647E+03
132	1.166E+03	1.367E+03	1.601E+03
133	1.132E+03	1.328E+03	1.556E+03
134	1.098E+03	1.289E+03	1.512E+03
135	1.066E+03	1.252E+03	1.470E+03
136	1.034E+03	1.217E+03	1.430E+03
137	1.004E+03	1.182E+03	1.390E+03
138	9.751E+02	1.149E+03	1.352E+03
139	9.469E+02	1.117E+03	1.315E+03
140	9.197E+02	1.085E+03	1.280E+03
141	8.934E+02	1.055E+03	1.245E+03
142	8.680E+02	1.026E+03	1.212E+03
143	8.435E+02	9.980E+02	1.180E+03
144	8.197E+02	9.707E+02	1.148E+03
145	7.968E+02	9.443E+02	1.118E+03
146	7.746E+02	9.187E+02	1.089E+03
147	7.531E+02	8.940E+02	1.060E+03
148	7.323E+02	8.700E+02	1.033E+03
149	7.122E+02	8.468E+02	1.006E+03
150	6.927E+02	8.243E+02	9.800E+02

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TYPE	GR15-7B104H*
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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)	4828 K	B+TOLERANCE (K)	144.84	B-TOLERANCE (K)	144.84

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
150	6.927E+02	8.243E+02	9.800E+02
151	6.738E+02	8.025E+02	9.549E+02
152	6.556E+02	7.814E+02	9.305E+02
153	6.379E+02	7.610E+02	9.069E+02
154	6.208E+02	7.411E+02	8.840E+02
155	6.042E+02	7.219E+02	8.617E+02
156	5.882E+02	7.033E+02	8.402E+02
157	5.726E+02	6.852E+02	8.192E+02
158	5.575E+02	6.677E+02	7.989E+02
159	5.429E+02	6.507E+02	7.792E+02
160	5.288E+02	6.342E+02	7.600E+02
161	5.150E+02	6.182E+02	7.414E+02
162	5.017E+02	6.027E+02	7.234E+02
163	4.888E+02	5.877E+02	7.059E+02
164	4.763E+02	5.731E+02	6.888E+02
165	4.642E+02	5.589E+02	6.723E+02
166	4.524E+02	5.451E+02	6.562E+02
167	4.410E+02	5.317E+02	6.406E+02
168	4.299E+02	5.188E+02	6.255E+02
169	4.191E+02	5.062E+02	6.107E+02
170	4.087E+02	4.939E+02	5.964E+02
171	3.986E+02	4.820E+02	5.825E+02
172	3.887E+02	4.705E+02	5.689E+02
173	3.792E+02	4.593E+02	5.558E+02
174	3.699E+02	4.484E+02	5.430E+02
175	3.609E+02	4.378E+02	5.305E+02
176	3.522E+02	4.275E+02	5.184E+02
177	3.437E+02	4.175E+02	5.066E+02
178	3.354E+02	4.077E+02	4.952E+02
179	3.274E+02	3.983E+02	4.840E+02
180	3.196E+02	3.891E+02	4.732E+02
181	3.120E+02	3.801E+02	4.626E+02
182	3.047E+02	3.714E+02	4.523E+02
183	2.975E+02	3.629E+02	4.423E+02
184	2.906E+02	3.547E+02	4.326E+02
185	2.838E+02	3.467E+02	4.231E+02
186	2.772E+02	3.389E+02	4.139E+02
187	2.708E+02	3.313E+02	4.049E+02
188	2.646E+02	3.239E+02	3.961E+02
189	2.586E+02	3.167E+02	3.876E+02
190	2.527E+02	3.097E+02	3.793E+02
191	2.470E+02	3.029E+02	3.712E+02
192	2.414E+02	2.963E+02	3.633E+02
193	2.360E+02	2.898E+02	3.556E+02
194	2.307E+02	2.835E+02	3.481E+02
195	2.255E+02	2.774E+02	3.408E+02
196	2.205E+02	2.714E+02	3.337E+02
197	2.157E+02	2.656E+02	3.268E+02
198	2.109E+02	2.599E+02	3.200E+02
199	2.063E+02	2.544E+02	3.134E+02
200	2.018E+02	2.490E+02	3.070E+02

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
200	2.018E+02	2.490E+02	3.070E+02
201	1.974E+02	2.438E+02	3.007E+02
202	1.932E+02	2.386E+02	2.946E+02
203	1.890E+02	2.337E+02	2.886E+02
204	1.850E+02	2.288E+02	2.828E+02
205	1.810E+02	2.241E+02	2.771E+02
206	1.772E+02	2.194E+02	2.716E+02
207	1.734E+02	2.149E+02	2.661E+02
208	1.698E+02	2.105E+02	2.609E+02
209	1.662E+02	2.063E+02	2.557E+02
210	1.627E+02	2.021E+02	2.507E+02
211	1.594E+02	1.980E+02	2.458E+02
212	1.561E+02	1.940E+02	2.410E+02
213	1.528E+02	1.901E+02	2.363E+02
214	1.497E+02	1.863E+02	2.317E+02
215	1.466E+02	1.826E+02	2.273E+02
216	1.437E+02	1.790E+02	2.229E+02
217	1.407E+02	1.755E+02	2.187E+02
218	1.379E+02	1.721E+02	2.145E+02
219	1.351E+02	1.687E+02	2.104E+02
220	1.324E+02	1.654E+02	2.065E+02
221	1.298E+02	1.622E+02	2.026E+02
222	1.272E+02	1.591E+02	1.988E+02
223	1.247E+02	1.560E+02	1.951E+02
224	1.222E+02	1.531E+02	1.915E+02
225	1.198E+02	1.501E+02	1.880E+02
226	1.175E+02	1.473E+02	1.845E+02
227	1.152E+02	1.445E+02	1.811E+02
228	1.130E+02	1.418E+02	1.778E+02
229	1.108E+02	1.391E+02	1.746E+02
230	1.087E+02	1.365E+02	1.714E+02
231	1.066E+02	1.340E+02	1.683E+02
232	1.046E+02	1.315E+02	1.653E+02
233	1.026E+02	1.291E+02	1.624E+02
234	1.006E+02	1.267E+02	1.595E+02
235	9.873E+01	1.244E+02	1.566E+02
236	9.688E+01	1.222E+02	1.539E+02
237	9.507E+01	1.199E+02	1.512E+02
238	9.330E+01	1.178E+02	1.485E+02
239	9.157E+01	1.157E+02	1.459E+02
240	8.988E+01	1.136E+02	1.434E+02
241	8.823E+01	1.116E+02	1.409E+02
242	8.661E+01	1.096E+02	1.385E+02
243	8.504E+01	1.076E+02	1.361E+02
244	8.349E+01	1.057E+02	1.338E+02
245	8.198E+01	1.039E+02	1.315E+02
246	8.050E+01	1.021E+02	1.293E+02
247	7.906E+01	1.003E+02	1.271E+02
248	7.764E+01	9.854E+01	1.249E+02
249	7.626E+01	9.684E+01	1.229E+02
250	7.491E+01	9.517E+01	1.208E+02

