

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TZ05-4F104D[R, B]

RESISTANCE (at25°C)	100000 Ω	R-TOLERANCE (±)	0.5 %
B-VALUE (25/50°C)	4250 K	B-TOLERANCE (±)	0.3 %

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	3.9856E+06	4.0537E+06	4.1228E+06
-39	3.7480E+06	3.8111E+06	3.8752E+06
-38	3.5240E+06	3.5826E+06	3.6420E+06
-37	3.3131E+06	3.3674E+06	3.4224E+06
-36	3.1145E+06	3.1648E+06	3.2158E+06
-35	2.9276E+06	2.9742E+06	3.0214E+06
-34	2.7517E+06	2.7949E+06	2.8387E+06
-33	2.5863E+06	2.6263E+06	2.6668E+06
-32	2.4307E+06	2.4678E+06	2.5053E+06
-31	2.2845E+06	2.3188E+06	2.3535E+06
-30	2.1470E+06	2.1788E+06	2.2109E+06
-29	2.0170E+06	2.0464E+06	2.0762E+06
-28	1.8952E+06	1.9224E+06	1.9499E+06
-27	1.7809E+06	1.8061E+06	1.8316E+06
-26	1.6738E+06	1.6971E+06	1.7207E+06
-25	1.5734E+06	1.5950E+06	1.6168E+06
-24	1.4792E+06	1.4992E+06	1.5194E+06
-23	1.3909E+06	1.4094E+06	1.4281E+06
-22	1.3081E+06	1.3252E+06	1.3426E+06
-21	1.2305E+06	1.2463E+06	1.2624E+06
-20	1.1576E+06	1.1723E+06	1.1872E+06
-19	1.0891E+06	1.1027E+06	1.1165E+06
-18	1.0249E+06	1.0375E+06	1.0502E+06
-17	9.6474E+05	9.7641E+05	9.8819E+05
-16	9.0834E+05	9.1915E+05	9.3007E+05
-15	8.5548E+05	8.6549E+05	8.7560E+05
-14	8.0590E+05	8.1518E+05	8.2455E+05
-13	7.5941E+05	7.6801E+05	7.7669E+05
-12	7.1580E+05	7.2377E+05	7.3181E+05
-11	6.7488E+05	6.8226E+05	6.8971E+05
-10	6.3648E+05	6.4332E+05	6.5023E+05
-9	6.0037E+05	6.0672E+05	6.1312E+05
-8	5.6649E+05	5.7237E+05	5.7831E+05
-7	5.3469E+05	5.4015E+05	5.4564E+05
-6	5.0483E+05	5.0989E+05	5.1499E+05
-5	4.7679E+05	4.8149E+05	4.8622E+05
-4	4.5045E+05	4.5481E+05	4.5919E+05
-3	4.2570E+05	4.2974E+05	4.3381E+05
-2	4.0244E+05	4.0619E+05	4.0996E+05
-1	3.8057E+05	3.8404E+05	3.8754E+05
0	3.6000E+05	3.6322E+05	3.6647E+05
1	3.4063E+05	3.4363E+05	3.4664E+05
2	3.2241E+05	3.2519E+05	3.2799E+05
3	3.0527E+05	3.0785E+05	3.1045E+05
4	2.8913E+05	2.9153E+05	2.9394E+05
5	2.7394E+05	2.7616E+05	2.7840E+05
6	2.5963E+05	2.6169E+05	2.6377E+05
7	2.4614E+05	2.4806E+05	2.4999E+05
8	2.3343E+05	2.3522E+05	2.3700E+05
9	2.2145E+05	2.2311E+05	2.2477E+05
10	2.1016E+05	2.1169E+05	2.1323E+05

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
10	2.1016E+05	2.1169E+05	2.1323E+05
11	1.9949E+05	2.0092E+05	2.0235E+05
12	1.8943E+05	1.9076E+05	1.9209E+05
13	1.7994E+05	1.8117E+05	1.8240E+05
14	1.7098E+05	1.7212E+05	1.7326E+05
15	1.6251E+05	1.6357E+05	1.6463E+05
16	1.5452E+05	1.5550E+05	1.5648E+05
17	1.4696E+05	1.4787E+05	1.4879E+05
18	1.3981E+05	1.4066E+05	1.4151E+05
19	1.3306E+05	1.3385E+05	1.3463E+05
20	1.2667E+05	1.2740E+05	1.2813E+05
21	1.2063E+05	1.2130E+05	1.2198E+05
22	1.1490E+05	1.1553E+05	1.1616E+05
23	1.0949E+05	1.1007E+05	1.1065E+05
24	1.0436E+05	1.0490E+05	1.0544E+05
25	9.9500E+04	1.0000E+05	1.0050E+05
26	9.4869E+04	9.5359E+04	9.5850E+04
27	9.0480E+04	9.0961E+04	9.1442E+04
28	8.6321E+04	8.6791E+04	8.7262E+04
29	8.2376E+04	8.2837E+04	8.3299E+04
30	7.8636E+04	7.9087E+04	7.9538E+04
31	7.5087E+04	7.5528E+04	7.5970E+04
32	7.1719E+04	7.2150E+04	7.2582E+04
33	6.8522E+04	6.8944E+04	6.9366E+04
34	6.5487E+04	6.5898E+04	6.6311E+04
35	6.2603E+04	6.3005E+04	6.3408E+04
36	5.9864E+04	6.0256E+04	6.0650E+04
37	5.7260E+04	5.7643E+04	5.8027E+04
38	5.4785E+04	5.5159E+04	5.5533E+04
39	5.2431E+04	5.2796E+04	5.3161E+04
40	5.0192E+04	5.0548E+04	5.0905E+04
41	4.8062E+04	4.8409E+04	4.8757E+04
42	4.6035E+04	4.6373E+04	4.6712E+04
43	4.4105E+04	4.4434E+04	4.4765E+04
44	4.2267E+04	4.2588E+04	4.2911E+04
45	4.0516E+04	4.0829E+04	4.1144E+04
46	3.8848E+04	3.9153E+04	3.9460E+04
47	3.7259E+04	3.7556E+04	3.7855E+04
48	3.5743E+04	3.6033E+04	3.6324E+04
49	3.4298E+04	3.4580E+04	3.4864E+04
50	3.2920E+04	3.3195E+04	3.3471E+04
51	3.1605E+04	3.1873E+04	3.2142E+04
52	3.0350E+04	3.0611E+04	3.0873E+04
53	2.9152E+04	2.9406E+04	2.9662E+04
54	2.8008E+04	2.8256E+04	2.8505E+04
55	2.6916E+04	2.7157E+04	2.7400E+04
56	2.5872E+04	2.6107E+04	2.6344E+04
57	2.4875E+04	2.5104E+04	2.5334E+04
58	2.3922E+04	2.4145E+04	2.4369E+04
59	2.3011E+04	2.3228E+04	2.3447E+04
60	2.2140E+04	2.2351E+04	2.2564E+04

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TZ05-4F104D[R, B]

RESISTANCE (at25°C)	100000 Ω	R-TOLERANCE (±)	0.5 %
B-VALUE (25/50°C)	4250 K	B-TOLERANCE (±)	0.3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
60	2.2140E+04	2.2351E+04	2.2564E+04
61	2.1306E+04	2.1512E+04	2.1720E+04
62	2.0509E+04	2.0710E+04	2.0912E+04
63	1.9746E+04	1.9942E+04	2.0138E+04
64	1.9016E+04	1.9206E+04	1.9398E+04
65	1.8317E+04	1.8502E+04	1.8689E+04
66	1.7647E+04	1.7828E+04	1.8010E+04
67	1.7006E+04	1.7182E+04	1.7359E+04
68	1.6391E+04	1.6563E+04	1.6735E+04
69	1.5802E+04	1.5969E+04	1.6138E+04
70	1.5238E+04	1.5401E+04	1.5565E+04
71	1.4697E+04	1.4855E+04	1.5015E+04
72	1.4178E+04	1.4332E+04	1.4488E+04
73	1.3680E+04	1.3831E+04	1.3982E+04
74	1.3203E+04	1.3349E+04	1.3497E+04
75	1.2744E+04	1.2887E+04	1.3031E+04
76	1.2304E+04	1.2444E+04	1.2584E+04
77	1.1882E+04	1.2018E+04	1.2155E+04
78	1.1477E+04	1.1609E+04	1.1743E+04
79	1.1087E+04	1.1216E+04	1.1347E+04
80	1.0713E+04	1.0839E+04	1.0966E+04
81	1.0354E+04	1.0477E+04	1.0600E+04
82	1.0009E+04	1.0128E+04	1.0249E+04
83	9.6766E+03	9.7932E+03	9.9110E+03
84	9.3575E+03	9.4712E+03	9.5860E+03
85	9.0505E+03	9.1614E+03	9.2734E+03
86	8.7553E+03	8.8635E+03	8.9727E+03
87	8.4713E+03	8.5768E+03	8.6834E+03
88	8.1980E+03	8.3009E+03	8.4049E+03
89	7.9350E+03	8.0354E+03	8.1369E+03
90	7.6819E+03	7.7798E+03	7.8788E+03
91	7.4381E+03	7.5337E+03	7.6303E+03
92	7.2034E+03	7.2966E+03	7.3909E+03
93	6.9773E+03	7.0683E+03	7.1603E+03
94	6.7596E+03	6.8483E+03	6.9381E+03
95	6.5497E+03	6.6364E+03	6.7240E+03
96	6.3475E+03	6.4321E+03	6.5177E+03
97	6.1526E+03	6.2352E+03	6.3187E+03
98	5.9648E+03	6.0454E+03	6.1269E+03
99	5.7836E+03	5.8623E+03	5.9419E+03
100	5.6089E+03	5.6858E+03	5.7635E+03
101	5.4404E+03	5.5155E+03	5.5914E+03
102	5.2779E+03	5.3511E+03	5.4253E+03
103	5.1210E+03	5.1926E+03	5.2650E+03
104	4.9696E+03	5.0396E+03	5.1103E+03
105	4.8235E+03	4.8918E+03	4.9610E+03
106	4.6825E+03	4.7492E+03	4.8168E+03
107	4.5463E+03	4.6115E+03	4.6775E+03
108	4.4148E+03	4.4785E+03	4.5430E+03
109	4.2878E+03	4.3500E+03	4.4130E+03
110	4.1650E+03	4.2259E+03	4.2875E+03

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
110	4.1650E+03	4.2259E+03	4.2875E+03
111	4.0465E+03	4.1059E+03	4.1661E+03
112	3.9319E+03	3.9900E+03	4.0489E+03
113	3.8211E+03	3.8780E+03	3.9355E+03
114	3.7141E+03	3.7696E+03	3.8259E+03
115	3.6106E+03	3.6649E+03	3.7199E+03
116	3.5105E+03	3.5636E+03	3.6174E+03
117	3.4137E+03	3.4656E+03	3.5183E+03
118	3.3201E+03	3.3709E+03	3.4223E+03
119	3.2295E+03	3.2792E+03	3.3295E+03
120	3.1418E+03	3.1904E+03	3.2397E+03
121	3.0578E+03	3.1053E+03	3.1535E+03
122	2.9763E+03	3.0228E+03	3.0700E+03
123	2.8972E+03	2.9427E+03	2.9889E+03
124	2.8204E+03	2.8650E+03	2.9102E+03
125	2.7460E+03	2.7896E+03	2.8338E+03
126	2.6737E+03	2.7164E+03	2.7596E+03
127	2.6035E+03	2.6453E+03	2.6877E+03
128	2.5354E+03	2.5763E+03	2.6178E+03
129	2.4693E+03	2.5093E+03	2.5499E+03
130	2.4050E+03	2.4442E+03	2.4839E+03
131	2.3417E+03	2.3800E+03	2.4189E+03
132	2.2803E+03	2.3178E+03	2.3559E+03
133	2.2210E+03	2.2576E+03	2.2949E+03
134	2.1635E+03	2.1994E+03	2.2358E+03
135	2.1078E+03	2.1430E+03	2.1786E+03
136	2.0539E+03	2.0883E+03	2.1232E+03
137	2.0017E+03	2.0354E+03	2.0696E+03
138	1.9511E+03	1.9841E+03	2.0176E+03
139	1.9021E+03	1.9344E+03	1.9672E+03
140	1.8547E+03	1.8863E+03	1.9184E+03
141	1.8087E+03	1.8397E+03	1.8711E+03
142	1.7641E+03	1.7945E+03	1.8253E+03
143	1.7209E+03	1.7506E+03	1.7809E+03
144	1.6790E+03	1.7082E+03	1.7378E+03
145	1.6384E+03	1.6670E+03	1.6960E+03
146	1.5990E+03	1.6270E+03	1.6555E+03
147	1.5609E+03	1.5883E+03	1.6162E+03
148	1.5238E+03	1.5508E+03	1.5781E+03
149	1.4879E+03	1.5143E+03	1.5411E+03
150	1.4531E+03	1.4790E+03	1.5053E+03