

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC10-2R820J [T, B]

RESISTANCE (at25°C)	82 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	2700 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	7.882E+002	8.949E+002	1.014E+003
-39	7.553E+002	8.563E+002	9.684E+002
-38	7.240E+002	8.196E+002	9.256E+002
-37	6.942E+002	7.847E+002	8.849E+002
-36	6.658E+002	7.515E+002	8.462E+002
-35	6.387E+002	7.199E+002	8.095E+002
-34	6.129E+002	6.899E+002	7.746E+002
-33	5.883E+002	6.612E+002	7.414E+002
-32	5.648E+002	6.340E+002	7.098E+002
-31	5.424E+002	6.080E+002	6.798E+002
-30	5.211E+002	5.833E+002	6.512E+002
-29	5.008E+002	5.598E+002	6.242E+002
-28	4.815E+002	5.375E+002	5.985E+002
-27	4.629E+002	5.161E+002	5.739E+002
-26	4.451E+002	4.956E+002	5.504E+002
-25	4.281E+002	4.760E+002	5.280E+002
-24	4.119E+002	4.573E+002	5.066E+002
-23	3.963E+002	4.395E+002	4.861E+002
-22	3.813E+002	4.224E+002	4.666E+002
-21	3.670E+002	4.060E+002	4.479E+002
-20	3.533E+002	3.903E+002	4.301E+002
-19	3.402E+002	3.753E+002	4.131E+002
-18	3.276E+002	3.610E+002	3.968E+002
-17	3.155E+002	3.472E+002	3.812E+002
-16	3.039E+002	3.341E+002	3.663E+002
-15	2.929E+002	3.215E+002	3.521E+002
-14	2.822E+002	3.095E+002	3.385E+002
-13	2.721E+002	2.980E+002	3.255E+002
-12	2.623E+002	2.869E+002	3.131E+002
-11	2.529E+002	2.764E+002	3.012E+002
-10	2.440E+002	2.662E+002	2.898E+002
-9	2.353E+002	2.566E+002	2.790E+002
-8	2.271E+002	2.473E+002	2.686E+002
-7	2.192E+002	2.384E+002	2.586E+002
-6	2.116E+002	2.298E+002	2.490E+002
-5	2.042E+002	2.216E+002	2.399E+002
-4	1.972E+002	2.138E+002	2.311E+002
-3	1.905E+002	2.062E+002	2.227E+002
-2	1.840E+002	1.990E+002	2.147E+002
-1	1.778E+002	1.921E+002	2.070E+002
0	1.718E+002	1.854E+002	1.996E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	1.718E+002	1.854E+002	1.996E+002
1	1.661E+002	1.790E+002	1.925E+002
2	1.606E+002	1.729E+002	1.857E+002
3	1.553E+002	1.670E+002	1.792E+002
4	1.502E+002	1.613E+002	1.729E+002
5	1.452E+002	1.559E+002	1.669E+002
6	1.405E+002	1.507E+002	1.612E+002
7	1.360E+002	1.457E+002	1.557E+002
8	1.316E+002	1.409E+002	1.504E+002
9	1.274E+002	1.362E+002	1.453E+002
10	1.234E+002	1.318E+002	1.404E+002
11	1.195E+002	1.275E+002	1.357E+002
12	1.158E+002	1.234E+002	1.312E+002
13	1.122E+002	1.194E+002	1.268E+002
14	1.087E+002	1.156E+002	1.227E+002
15	1.054E+002	1.119E+002	1.187E+002
16	1.021E+002	1.084E+002	1.148E+002
17	9.903E+001	1.050E+002	1.111E+002
18	9.604E+001	1.018E+002	1.075E+002
19	9.316E+001	9.861E+001	1.041E+002
20	9.038E+001	9.558E+001	1.008E+002
21	8.770E+001	9.266E+001	9.765E+001
22	8.512E+001	8.985E+001	9.460E+001
23	8.263E+001	8.714E+001	9.166E+001
24	8.022E+001	8.452E+001	8.883E+001
25	7.790E+001	8.200E+001	8.610E+001
26	7.552E+001	7.957E+001	8.362E+001
27	7.323E+001	7.722E+001	8.123E+001
28	7.102E+001	7.496E+001	7.892E+001
29	6.889E+001	7.278E+001	7.669E+001
30	6.684E+001	7.067E+001	7.454E+001
31	6.486E+001	6.864E+001	7.245E+001
32	6.294E+001	6.667E+001	7.044E+001
33	6.110E+001	6.478E+001	6.850E+001
34	5.932E+001	6.294E+001	6.662E+001
35	5.761E+001	6.118E+001	6.480E+001
36	5.595E+001	5.947E+001	6.305E+001
37	5.435E+001	5.781E+001	6.135E+001
38	5.280E+001	5.622E+001	5.970E+001
39	5.131E+001	5.467E+001	5.811E+001
40	4.987E+001	5.318E+001	5.657E+001

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	4.987E+001	5.318E+001	5.657E+001
41	4.848E+001	5.174E+001	5.509E+001
42	4.714E+001	5.035E+001	5.365E+001
43	4.584E+001	4.900E+001	5.225E+001
44	4.458E+001	4.770E+001	5.090E+001
45	4.337E+001	4.643E+001	4.960E+001
46	4.219E+001	4.521E+001	4.833E+001
47	4.105E+001	4.403E+001	4.710E+001
48	3.995E+001	4.288E+001	4.591E+001
49	3.889E+001	4.177E+001	4.476E+001
50	3.786E+001	4.070E+001	4.364E+001
51	3.686E+001	3.965E+001	4.255E+001
52	3.589E+001	3.864E+001	4.150E+001
53	3.495E+001	3.766E+001	4.047E+001
54	3.404E+001	3.671E+001	3.948E+001
55	3.316E+001	3.578E+001	3.852E+001
56	3.231E+001	3.489E+001	3.759E+001
57	3.148E+001	3.402E+001	3.668E+001
58	3.068E+001	3.318E+001	3.580E+001
59	2.991E+001	3.237E+001	3.495E+001
60	2.916E+001	3.158E+001	3.412E+001
61	2.843E+001	3.081E+001	3.332E+001
62	2.772E+001	3.007E+001	3.254E+001
63	2.704E+001	2.935E+001	3.178E+001
64	2.638E+001	2.865E+001	3.104E+001
65	2.573E+001	2.797E+001	3.033E+001
66	2.511E+001	2.731E+001	2.963E+001
67	2.450E+001	2.667E+001	2.896E+001
68	2.391E+001	2.605E+001	2.830E+001
69	2.334E+001	2.544E+001	2.766E+001
70	2.278E+001	2.485E+001	2.704E+001
71	2.224E+001	2.428E+001	2.644E+001
72	2.172E+001	2.372E+001	2.585E+001
73	2.121E+001	2.318E+001	2.528E+001
74	2.071E+001	2.266E+001	2.472E+001
75	2.023E+001	2.214E+001	2.418E+001
76	1.977E+001	2.165E+001	2.365E+001
77	1.931E+001	2.116E+001	2.314E+001
78	1.887E+001	2.070E+001	2.264E+001
79	1.844E+001	2.024E+001	2.215E+001
80	1.803E+001	1.979E+001	2.168E+001

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.803E+001	1.979E+001	2.168E+001
81	1.762E+001	1.936E+001	2.122E+001
82	1.723E+001	1.894E+001	2.078E+001
83	1.684E+001	1.853E+001	2.034E+001
84	1.647E+001	1.814E+001	1.992E+001
85	1.611E+001	1.775E+001	1.950E+001
86	1.576E+001	1.737E+001	1.910E+001
87	1.542E+001	1.700E+001	1.871E+001
88	1.508E+001	1.665E+001	1.833E+001
89	1.476E+001	1.630E+001	1.796E+001
90	1.444E+001	1.596E+001	1.760E+001
91	1.414E+001	1.563E+001	1.724E+001
92	1.384E+001	1.531E+001	1.690E+001
93	1.355E+001	1.500E+001	1.657E+001
94	1.327E+001	1.470E+001	1.624E+001
95	1.299E+001	1.440E+001	1.592E+001
96	1.272E+001	1.411E+001	1.561E+001
97	1.246E+001	1.383E+001	1.531E+001
98	1.221E+001	1.356E+001	1.501E+001
99	1.196E+001	1.329E+001	1.473E+001
100	1.172E+001	1.303E+001	1.445E+001
101	1.148E+001	1.277E+001	1.417E+001
102	1.125E+001	1.252E+001	1.391E+001
103	1.103E+001	1.228E+001	1.364E+001
104	1.081E+001	1.205E+001	1.339E+001
105	1.060E+001	1.182E+001	1.314E+001
106	1.039E+001	1.159E+001	1.290E+001
107	1.019E+001	1.137E+001	1.266E+001
108	9.993E+000	1.116E+001	1.243E+001
109	9.800E+000	1.095E+001	1.221E+001
110	9.613E+000	1.075E+001	1.199E+001
111	9.430E+000	1.055E+001	1.177E+001
112	9.251E+000	1.035E+001	1.156E+001
113	9.077E+000	1.017E+001	1.136E+001
114	8.907E+000	9.980E+000	1.115E+001
115	8.741E+000	9.800E+000	1.096E+001
116	8.579E+000	9.623E+000	1.077E+001
117	8.421E+000	9.451E+000	1.058E+001
118	8.267E+000	9.283E+000	1.040E+001
119	8.116E+000	9.119E+000	1.022E+001
120	7.969E+000	8.958E+000	1.004E+001
121	7.826E+000	8.801E+000	9.873E+000
122	7.685E+000	8.648E+000	9.706E+000
123	7.548E+000	8.498E+000	9.543E+000
124	7.415E+000	8.352E+000	9.384E+000
125	7.284E+000	8.209E+000	9.228E+000