

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TC05-2S820J [R, B]

RESISTANCE (at25°C)	82 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	2750 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	8.594E+002	9.772E+002	1.108E+003
-39	8.204E+002	9.315E+002	1.055E+003
-38	7.836E+002	8.883E+002	1.004E+003
-37	7.486E+002	8.474E+002	9.568E+002
-36	7.155E+002	8.088E+002	9.118E+002
-35	6.842E+002	7.722E+002	8.693E+002
-34	6.544E+002	7.375E+002	8.291E+002
-33	6.261E+002	7.047E+002	7.910E+002
-32	5.993E+002	6.735E+002	7.550E+002
-31	5.739E+002	6.440E+002	7.209E+002
-30	5.497E+002	6.160E+002	6.886E+002
-29	5.267E+002	5.894E+002	6.579E+002
-28	5.048E+002	5.641E+002	6.289E+002
-27	4.840E+002	5.402E+002	6.013E+002
-26	4.642E+002	5.174E+002	5.752E+002
-25	4.454E+002	4.957E+002	5.504E+002
-24	4.275E+002	4.752E+002	5.268E+002
-23	4.104E+002	4.556E+002	5.045E+002
-22	3.942E+002	4.370E+002	4.832E+002
-21	3.787E+002	4.193E+002	4.630E+002
-20	3.639E+002	4.024E+002	4.438E+002
-19	3.499E+002	3.864E+002	4.256E+002
-18	3.365E+002	3.711E+002	4.082E+002
-17	3.237E+002	3.565E+002	3.917E+002
-16	3.114E+002	3.426E+002	3.759E+002
-15	2.997E+002	3.293E+002	3.609E+002
-14	2.885E+002	3.166E+002	3.466E+002
-13	2.778E+002	3.045E+002	3.329E+002
-12	2.676E+002	2.929E+002	3.199E+002
-11	2.578E+002	2.819E+002	3.074E+002
-10	2.484E+002	2.713E+002	2.955E+002
-9	2.394E+002	2.612E+002	2.842E+002
-8	2.308E+002	2.515E+002	2.733E+002
-7	2.226E+002	2.422E+002	2.629E+002
-6	2.147E+002	2.334E+002	2.530E+002
-5	2.071E+002	2.249E+002	2.435E+002
-4	1.999E+002	2.168E+002	2.345E+002
-3	1.929E+002	2.090E+002	2.258E+002
-2	1.862E+002	2.015E+002	2.175E+002
-1	1.799E+002	1.944E+002	2.096E+002
0	1.737E+002	1.875E+002	2.020E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	1.737E+002	1.875E+002	2.020E+002
1	1.678E+002	1.810E+002	1.947E+002
2	1.622E+002	1.747E+002	1.877E+002
3	1.567E+002	1.687E+002	1.810E+002
4	1.515E+002	1.629E+002	1.746E+002
5	1.465E+002	1.573E+002	1.685E+002
6	1.417E+002	1.520E+002	1.626E+002
7	1.371E+002	1.469E+002	1.570E+002
8	1.326E+002	1.419E+002	1.516E+002
9	1.283E+002	1.372E+002	1.464E+002
10	1.242E+002	1.327E+002	1.414E+002
11	1.202E+002	1.283E+002	1.366E+002
12	1.164E+002	1.241E+002	1.320E+002
13	1.128E+002	1.201E+002	1.275E+002
14	1.092E+002	1.162E+002	1.233E+002
15	1.058E+002	1.125E+002	1.192E+002
16	1.025E+002	1.089E+002	1.153E+002
17	9.938E+001	1.054E+002	1.115E+002
18	9.634E+001	1.021E+002	1.079E+002
19	9.341E+001	9.888E+001	1.044E+002
20	9.058E+001	9.580E+001	1.011E+002
21	8.786E+001	9.283E+001	9.784E+001
22	8.523E+001	8.997E+001	9.473E+001
23	8.270E+001	8.721E+001	9.175E+001
24	8.026E+001	8.456E+001	8.887E+001
25	7.790E+001	8.200E+001	8.610E+001
26	7.549E+001	7.953E+001	8.359E+001
27	7.316E+001	7.715E+001	8.116E+001
28	7.092E+001	7.486E+001	7.882E+001
29	6.876E+001	7.265E+001	7.656E+001
30	6.668E+001	7.051E+001	7.437E+001
31	6.467E+001	6.845E+001	7.226E+001
32	6.274E+001	6.646E+001	7.023E+001
33	6.087E+001	6.454E+001	6.826E+001
34	5.907E+001	6.268E+001	6.635E+001
35	5.733E+001	6.089E+001	6.451E+001
36	5.565E+001	5.916E+001	6.273E+001
37	5.403E+001	5.749E+001	6.101E+001
38	5.247E+001	5.587E+001	5.935E+001
39	5.096E+001	5.431E+001	5.774E+001
40	4.950E+001	5.280E+001	5.618E+001

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	4.950E+001	5.280E+001	5.618E+001
41	4.809E+001	5.134E+001	5.467E+001
42	4.673E+001	4.993E+001	5.321E+001
43	4.541E+001	4.856E+001	5.180E+001
44	4.414E+001	4.724E+001	5.043E+001
45	4.291E+001	4.596E+001	4.911E+001
46	4.172E+001	4.473E+001	4.783E+001
47	4.058E+001	4.353E+001	4.658E+001
48	3.947E+001	4.237E+001	4.538E+001
49	3.839E+001	4.125E+001	4.422E+001
50	3.735E+001	4.017E+001	4.309E+001
51	3.635E+001	3.913E+001	4.200E+001
52	3.538E+001	3.811E+001	4.095E+001
53	3.445E+001	3.713E+001	3.993E+001
54	3.354E+001	3.618E+001	3.893E+001
55	3.266E+001	3.526E+001	3.797E+001
56	3.181E+001	3.437E+001	3.704E+001
57	3.099E+001	3.350E+001	3.613E+001
58	3.019E+001	3.266E+001	3.526E+001
59	2.941E+001	3.185E+001	3.440E+001
60	2.866E+001	3.106E+001	3.358E+001
61	2.793E+001	3.029E+001	3.277E+001
62	2.723E+001	2.955E+001	3.199E+001
63	2.654E+001	2.883E+001	3.123E+001
64	2.588E+001	2.813E+001	3.050E+001
65	2.524E+001	2.745E+001	2.978E+001
66	2.461E+001	2.679E+001	2.909E+001
67	2.401E+001	2.615E+001	2.841E+001
68	2.342E+001	2.553E+001	2.776E+001
69	2.286E+001	2.493E+001	2.712E+001
70	2.230E+001	2.434E+001	2.651E+001
71	2.177E+001	2.378E+001	2.591E+001
72	2.125E+001	2.323E+001	2.533E+001
73	2.075E+001	2.270E+001	2.476E+001
74	2.026E+001	2.218E+001	2.421E+001
75	1.979E+001	2.167E+001	2.368E+001
76	1.932E+001	2.118E+001	2.316E+001
77	1.888E+001	2.070E+001	2.265E+001
78	1.844E+001	2.024E+001	2.216E+001
79	1.801E+001	1.978E+001	2.167E+001
80	1.760E+001	1.934E+001	2.121E+001

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.760E+001	1.934E+001	2.121E+001
81	1.720E+001	1.891E+001	2.075E+001
82	1.681E+001	1.849E+001	2.030E+001
83	1.642E+001	1.809E+001	1.987E+001
84	1.605E+001	1.769E+001	1.944E+001
85	1.569E+001	1.730E+001	1.903E+001
86	1.534E+001	1.693E+001	1.863E+001
87	1.500E+001	1.656E+001	1.824E+001
88	1.467E+001	1.621E+001	1.786E+001
89	1.435E+001	1.586E+001	1.749E+001
90	1.404E+001	1.553E+001	1.713E+001
91	1.373E+001	1.520E+001	1.678E+001
92	1.344E+001	1.488E+001	1.644E+001
93	1.315E+001	1.457E+001	1.611E+001
94	1.287E+001	1.427E+001	1.579E+001
95	1.260E+001	1.398E+001	1.547E+001
96	1.234E+001	1.369E+001	1.517E+001
97	1.208E+001	1.342E+001	1.487E+001
98	1.183E+001	1.314E+001	1.457E+001
99	1.158E+001	1.288E+001	1.429E+001
100	1.134E+001	1.262E+001	1.401E+001
101	1.111E+001	1.237E+001	1.374E+001
102	1.088E+001	1.212E+001	1.347E+001
103	1.066E+001	1.188E+001	1.321E+001
104	1.044E+001	1.165E+001	1.296E+001
105	1.023E+001	1.142E+001	1.272E+001
106	1.003E+001	1.120E+001	1.248E+001
107	9.829E+000	1.098E+001	1.224E+001
108	9.634E+000	1.077E+001	1.201E+001
109	9.444E+000	1.056E+001	1.179E+001
110	9.258E+000	1.036E+001	1.157E+001
111	9.077E+000	1.017E+001	1.136E+001
112	8.901E+000	9.973E+000	1.115E+001
113	8.728E+000	9.786E+000	1.094E+001
114	8.560E+000	9.602E+000	1.074E+001
115	8.396E+000	9.423E+000	1.055E+001
116	8.235E+000	9.248E+000	1.036E+001
117	8.079E+000	9.078E+000	1.017E+001
118	7.926E+000	8.911E+000	9.992E+000
119	7.777E+000	8.748E+000	9.815E+000
120	7.631E+000	8.588E+000	9.641E+000
121	7.489E+000	8.433E+000	9.472E+000
122	7.350E+000	8.281E+000	9.306E+000
123	7.214E+000	8.132E+000	9.143E+000
124	7.081E+000	7.986E+000	8.985E+000
125	6.952E+000	7.844E+000	8.829E+000