

NTC THERMISTOR R-T CHARACTERISTICS

| | |
|------|--------|
| TYPE | STS-40 |
|------|--------|

| | | |
|---------|---------|---------|
| T0 (°C) | T1 (°C) | T2 (°C) |
| 25 | 25 | 50 |

| | | | | | |
|--------------|---------|-----------------|------|-----------------|------|
| R at T0°C | 10000 Ω | R-TOLERANCE (%) | 1 | R-TOLERANCE (%) | 1 |
| B(T1°C/T2°C) | 3450 K | B-TOLERANCE (K) | 34.5 | B-TOLERANCE (K) | 34.5 |

| T (°C) | Rmin (Ω) | Rnom (Ω) | Rmax (Ω) |
|--------|-----------|-----------|-----------|
| -30 | 1.240E+05 | 1.285E+05 | 1.333E+05 |
| -29 | 1.173E+05 | 1.216E+05 | 1.260E+05 |
| -28 | 1.110E+05 | 1.150E+05 | 1.191E+05 |
| -27 | 1.052E+05 | 1.088E+05 | 1.127E+05 |
| -26 | 9.963E+04 | 1.031E+05 | 1.066E+05 |
| -25 | 9.442E+04 | 9.763E+04 | 1.009E+05 |
| -24 | 8.953E+04 | 9.251E+04 | 9.559E+04 |
| -23 | 8.492E+04 | 8.770E+04 | 9.057E+04 |
| -22 | 8.057E+04 | 8.317E+04 | 8.584E+04 |
| -21 | 7.648E+04 | 7.891E+04 | 8.139E+04 |
| -20 | 7.263E+04 | 7.489E+04 | 7.721E+04 |
| -19 | 6.899E+04 | 7.110E+04 | 7.326E+04 |
| -18 | 6.556E+04 | 6.753E+04 | 6.954E+04 |
| -17 | 6.232E+04 | 6.416E+04 | 6.604E+04 |
| -16 | 5.927E+04 | 6.098E+04 | 6.274E+04 |
| -15 | 5.638E+04 | 5.798E+04 | 5.962E+04 |
| -14 | 5.366E+04 | 5.515E+04 | 5.668E+04 |
| -13 | 5.108E+04 | 5.248E+04 | 5.391E+04 |
| -12 | 4.865E+04 | 4.995E+04 | 5.129E+04 |
| -11 | 4.635E+04 | 4.757E+04 | 4.881E+04 |
| -10 | 4.417E+04 | 4.531E+04 | 4.647E+04 |
| -9 | 4.211E+04 | 4.318E+04 | 4.426E+04 |
| -8 | 4.016E+04 | 4.116E+04 | 4.217E+04 |
| -7 | 3.832E+04 | 3.924E+04 | 4.019E+04 |
| -6 | 3.656E+04 | 3.743E+04 | 3.832E+04 |
| -5 | 3.491E+04 | 3.572E+04 | 3.654E+04 |
| -4 | 3.333E+04 | 3.409E+04 | 3.486E+04 |
| -3 | 3.184E+04 | 3.255E+04 | 3.327E+04 |
| -2 | 3.042E+04 | 3.109E+04 | 3.176E+04 |
| -1 | 2.908E+04 | 2.970E+04 | 3.033E+04 |
| 0 | 2.780E+04 | 2.838E+04 | 2.897E+04 |

| T (°C) | Rmin (Ω) | Rnom (Ω) | Rmax (Ω) |
|--------|-----------|-----------|-----------|
| 0 | 2.780E+04 | 2.838E+04 | 2.897E+04 |
| 1 | 2.659E+04 | 2.713E+04 | 2.768E+04 |
| 2 | 2.543E+04 | 2.594E+04 | 2.645E+04 |
| 3 | 2.434E+04 | 2.481E+04 | 2.529E+04 |
| 4 | 2.330E+04 | 2.374E+04 | 2.419E+04 |
| 5 | 2.231E+04 | 2.272E+04 | 2.314E+04 |
| 6 | 2.136E+04 | 2.175E+04 | 2.214E+04 |
| 7 | 2.047E+04 | 2.083E+04 | 2.119E+04 |
| 8 | 1.961E+04 | 1.995E+04 | 2.029E+04 |
| 9 | 1.880E+04 | 1.912E+04 | 1.944E+04 |
| 10 | 1.803E+04 | 1.832E+04 | 1.862E+04 |
| 11 | 1.729E+04 | 1.757E+04 | 1.784E+04 |
| 12 | 1.659E+04 | 1.684E+04 | 1.710E+04 |
| 13 | 1.592E+04 | 1.616E+04 | 1.640E+04 |
| 14 | 1.528E+04 | 1.550E+04 | 1.573E+04 |
| 15 | 1.467E+04 | 1.488E+04 | 1.509E+04 |
| 16 | 1.409E+04 | 1.428E+04 | 1.448E+04 |
| 17 | 1.353E+04 | 1.371E+04 | 1.390E+04 |
| 18 | 1.300E+04 | 1.317E+04 | 1.334E+04 |
| 19 | 1.250E+04 | 1.265E+04 | 1.281E+04 |
| 20 | 1.201E+04 | 1.216E+04 | 1.231E+04 |
| 21 | 1.155E+04 | 1.169E+04 | 1.182E+04 |
| 22 | 1.111E+04 | 1.124E+04 | 1.136E+04 |
| 23 | 1.069E+04 | 1.081E+04 | 1.092E+04 |
| 24 | 1.029E+04 | 1.039E+04 | 1.050E+04 |
| 25 | 9.900E+03 | 1.000E+04 | 1.010E+04 |
| 26 | 9.523E+03 | 9.623E+03 | 9.723E+03 |
| 27 | 9.163E+03 | 9.263E+03 | 9.363E+03 |
| 28 | 8.819E+03 | 8.918E+03 | 9.018E+03 |
| 29 | 8.489E+03 | 8.588E+03 | 8.687E+03 |
| 30 | 8.174E+03 | 8.272E+03 | 8.371E+03 |
| 31 | 7.872E+03 | 7.970E+03 | 8.068E+03 |
| 32 | 7.583E+03 | 7.680E+03 | 7.777E+03 |
| 33 | 7.306E+03 | 7.402E+03 | 7.499E+03 |
| 34 | 7.041E+03 | 7.136E+03 | 7.232E+03 |
| 35 | 6.787E+03 | 6.881E+03 | 6.976E+03 |
| 36 | 6.543E+03 | 6.636E+03 | 6.730E+03 |
| 37 | 6.310E+03 | 6.402E+03 | 6.495E+03 |
| 38 | 6.086E+03 | 6.177E+03 | 6.269E+03 |
| 39 | 5.871E+03 | 5.961E+03 | 6.052E+03 |
| 40 | 5.665E+03 | 5.754E+03 | 5.844E+03 |
| 41 | 5.468E+03 | 5.555E+03 | 5.644E+03 |
| 42 | 5.278E+03 | 5.365E+03 | 5.452E+03 |
| 43 | 5.096E+03 | 5.182E+03 | 5.268E+03 |
| 44 | 4.921E+03 | 5.006E+03 | 5.091E+03 |
| 45 | 4.754E+03 | 4.837E+03 | 4.921E+03 |
| 46 | 4.592E+03 | 4.674E+03 | 4.757E+03 |
| 47 | 4.438E+03 | 4.518E+03 | 4.600E+03 |
| 48 | 4.289E+03 | 4.368E+03 | 4.449E+03 |
| 49 | 4.146E+03 | 4.224E+03 | 4.303E+03 |
| 50 | 4.008E+03 | 4.085E+03 | 4.163E+03 |

