# ERTJ0ER682H R-T Characteristics (for reference)

**$R_{25}$ = 6.8 kohm +/-3%**

**$B_{25/50}$ = 4250 K +/-2%**

| Temp. | Resistance (kohm) | | | Temp. | Resistance (kohm) | | | Temp. | Resistance (kohm) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T(deg.C) | R min. | R cen. | R max. | T(deg.C) | R min. | R cen. | R max. | T(deg.C) | R min. | R cen. | R max. |
| -40 | 263.7 | 293.1 | 325.5 | 25 | 6.596 | 6.800 | 7.004 | 90 | 0.4677 | 0.5078 | 0.5509 |
| -39 | 246.1 | 273.1 | 302.9 | 26 | 6.286 | 6.487 | 6.688 | 91 | 0.4517 | 0.4908 | 0.5328 |
| -38 | 229.8 | 254.7 | 282.0 | 27 | 5.993 | 6.190 | 6.387 | 92 | 0.4363 | 0.4744 | 0.5154 |
| -37 | 214.6 | 237.6 | 262.7 | 28 | 5.714 | 5.908 | 6.102 | 93 | 0.4215 | 0.4586 | 0.4986 |
| -36 | 200.6 | 221.7 | 244.9 | 29 | 5.451 | 5.640 | 5.831 | 94 | 0.4073 | 0.4435 | 0.4824 |
| -35 | 187.6 | 207.1 | 228.3 | 30 | 5.200 | 5.386 | 5.574 | 95 | 0.3937 | 0.4289 | 0.4669 |
| -34 | 175.5 | 193.4 | 213.0 | 31 | 4.963 | 5.145 | 5.329 | 96 | 0.3805 | 0.4149 | 0.4519 |
| -33 | 164.2 | 180.8 | 198.8 | 32 | 4.738 | 4.916 | 5.096 | 97 | 0.3679 | 0.4014 | 0.4375 |
| -32 | 153.8 | 169.0 | 185.7 | 33 | 4.524 | 4.698 | 4.875 | 98 | 0.3558 | 0.3884 | 0.4236 |
| -31 | 144.0 | 158.1 | 173.5 | 34 | 4.320 | 4.491 | 4.664 | 99 | 0.3442 | 0.3760 | 0.4103 |
| -30 | 135.0 | 148.0 | 162.1 | 35 | 4.128 | 4.294 | 4.464 | 100 | 0.3330 | 0.3640 | 0.3975 |
| -29 | 126.5 | 138.6 | 151.6 | 36 | 3.944 | 4.107 | 4.273 | 101 | 0.3223 | 0.3525 | 0.3852 |
| -28 | 118.7 | 129.8 | 141.8 | 37 | 3.770 | 3.929 | 4.092 | 102 | 0.3119 | 0.3414 | 0.3733 |
| -27 | 111.4 | 121.6 | 132.7 | 38 | 3.604 | 3.760 | 3.919 | 103 | 0.3020 | 0.3308 | 0.3619 |
| -26 | 104.5 | 114.0 | 124.3 | 39 | 3.447 | 3.599 | 3.754 | 104 | 0.2925 | 0.3205 | 0.3509 |
| -25 | 98.17 | 106.9 | 116.4 | 40 | 3.297 | 3.446 | 3.597 | 105 | 0.2833 | 0.3107 | 0.3403 |
| -24 | 92.26 | 100.4 | 109.1 | 41 | 3.154 | 3.299 | 3.448 | 106 | 0.2745 | 0.3011 | 0.3301 |
| -23 | 86.70 | 94.21 | 102.3 | 42 | 3.019 | 3.160 | 3.305 | 107 | 0.2659 | 0.2920 | 0.3203 |
| -22 | 81.51 | 88.46 | 95.91 | 43 | 2.890 | 3.028 | 3.169 | 108 | 0.2577 | 0.2831 | 0.3108 |
| -21 | 76.66 | 83.09 | 89.98 | 44 | 2.767 | 2.901 | 3.040 | 109 | 0.2498 | 0.2746 | 0.3016 |
| -20 | 72.13 | 78.08 | 84.45 | 45 | 2.650 | 2.781 | 2.916 | 110 | 0.2422 | 0.2664 | 0.2928 |
| -19 | 67.90 | 73.41 | 79.30 | 46 | 2.538 | 2.666 | 2.798 | 111 | 0.2349 | 0.2585 | 0.2842 |
| -18 | 63.94 | 69.04 | 74.49 | 47 | 2.432 | 2.557 | 2.685 | 112 | 0.2278 | 0.2508 | 0.2760 |
| -17 | 60.23 | 64.96 | 70.00 | 48 | 2.330 | 2.452 | 2.578 | 113 | 0.2209 | 0.2435 | 0.2680 |
| -16 | 56.76 | 61.14 | 65.80 | 49 | 2.234 | 2.352 | 2.475 | 114 | 0.2143 | 0.2363 | 0.2603 |
| -15 | 53.51 | 57.57 | 61.88 | 50 | 2.142 | 2.257 | 2.377 | 115 | 0.2080 | 0.2294 | 0.2529 |
| -14 | 50.46 | 54.22 | 58.22 | 51 | 2.054 | 2.166 | 2.283 | 116 | 0.2018 | 0.2228 | 0.2457 |
| -13 | 47.60 | 51.09 | 54.79 | 52 | 1.970 | 2.080 | 2.193 | 117 | 0.1959 | 0.2163 | 0.2387 |
| -12 | 44.92 | 48.16 | 51.59 | 53 | 1.890 | 1.997 | 2.108 | 118 | 0.1901 | 0.2101 | 0.2320 |
| -11 | 42.41 | 45.41 | 48.59 | 54 | 1.814 | 1.918 | 2.026 | 119 | 0.1846 | 0.2041 | 0.2255 |
| -10 | 40.05 | 42.84 | 45.78 | 55 | 1.741 | 1.842 | 1.948 | 120 | 0.1792 | 0.1983 | 0.2192 |
| -9 | 37.84 | 40.42 | 43.15 | 56 | 1.671 | 1.770 | 1.873 | 121 | 0.1740 | 0.1926 | 0.2131 |
| -8 | 35.76 | 38.16 | 40.68 | 57 | 1.605 | 1.701 | 1.801 | 122 | 0.1690 | 0.1872 | 0.2072 |
| -7 | 33.80 | 36.03 | 38.37 | 58 | 1.541 | 1.635 | 1.732 | 123 | 0.1641 | 0.1819 | 0.2014 |
| -6 | 31.97 | 34.04 | 36.20 | 59 | 1.480 | 1.572 | 1.667 | 124 | 0.1594 | 0.1768 | 0.1959 |
| -5 | 30.24 | 32.16 | 34.17 | 60 | 1.422 | 1.511 | 1.604 | 125 | 0.1548 | 0.1718 | 0.1905 |
| -4 | 28.62 | 30.40 | 32.27 | 61 | 1.367 | 1.453 | 1.544 | | | | |
| -3 | 27.09 | 28.75 | 30.48 | 62 | 1.314 | 1.398 | 1.486 | | | | |
| -2 | 25.66 | 27.19 | 28.80 | 63 | 1.263 | 1.345 | 1.431 | | | | |
| -1 | 24.30 | 25.73 | 27.22 | 64 | 1.215 | 1.294 | 1.378 | | | | |
| 0 | 23.03 | 24.35 | 25.73 | 65 | 1.168 | 1.246 | 1.328 | | | | |
| 1 | 21.83 | 23.06 | 24.34 | 66 | 1.124 | 1.199 | 1.279 | | | | |
| 2 | 20.70 | 21.84 | 23.03 | 67 | 1.081 | 1.155 | 1.232 | | | | |
| 3 | 19.63 | 20.69 | 21.79 | 68 | 1.041 | 1.112 | 1.188 | | | | |
| 4 | 18.62 | 19.61 | 20.63 | 69 | 1.002 | 1.071 | 1.145 | | | | |
| 5 | 17.67 | 18.59 | 19.54 | 70 | 0.9642 | 1.032 | 1.104 | | | | |
| 6 | 16.78 | 17.63 | 18.51 | 71 | 0.9285 | 0.9947 | 1.065 | | | | |
| 7 | 15.93 | 16.72 | 17.54 | 72 | 0.8942 | 0.9587 | 1.027 | | | | |
| 8 | 15.13 | 15.87 | 16.62 | 73 | 0.8614 | 0.9242 | 0.9907 | | | | |
| 9 | 14.38 | 15.06 | 15.76 | 74 | 0.8300 | 0.8912 | 0.9560 | | | | |
| 10 | 13.66 | 14.30 | 14.95 | 75 | 0.7999 | 0.8595 | 0.9226 | | | | |
| 11 | 12.99 | 13.58 | 14.18 | 76 | 0.7710 | 0.8290 | 0.8906 | | | | |
| 12 | 12.35 | 12.90 | 13.46 | 77 | 0.7433 | 0.7998 | 0.8598 | | | | |
| 13 | 11.75 | 12.26 | 12.77 | 78 | 0.7167 | 0.7717 | 0.8302 | | | | |
| 14 | 11.18 | 11.65 | 12.13 | 79 | 0.6911 | 0.7447 | 0.8018 | | | | |
| 15 | 10.64 | 11.08 | 11.52 | 80 | 0.6666 | 0.7188 | 0.7744 | | | | |
| 16 | 10.13 | 10.53 | 10.95 | 81 | 0.6431 | 0.6939 | 0.7481 | | | | |
| 17 | 9.647 | 10.02 | 10.40 | 82 | 0.6204 | 0.6700 | 0.7228 | | | | |
| 18 | 9.190 | 9.538 | 9.891 | 83 | 0.5987 | 0.6469 | 0.6984 | | | | |
| 19 | 8.757 | 9.080 | 9.407 | 84 | 0.5777 | 0.6247 | 0.6749 | | | | |
| 20 | 8.347 | 8.646 | 8.949 | 85 | 0.5576 | 0.6034 | 0.6523 | | | | |
| 21 | 7.958 | 8.236 | 8.515 | 86 | 0.5382 | 0.5828 | 0.6305 | | | | |
| 22 | 7.590 | 7.847 | 8.106 | 87 | 0.5196 | 0.5630 | 0.6095 | | | | |
| 23 | 7.241 | 7.479 | 7.718 | 88 | 0.5016 | 0.5439 | 0.5893 | | | | |
| 24 | 6.910 | 7.130 | 7.351 | 89 | 0.4843 | 0.5255 | 0.5697 | | | | |
| 25 | 6.596 | 6.800 | 7.004 | 90 | 0.4677 | 0.5078 | 0.5509 | | | | |