



Resistance & Temperature Table

$R_{25}=10K\Omega \pm 1\%$ $_{25/85}=3970K \pm 1\%$

| Temp (°C) | Rmin (KΩ) | Rcent (KΩ) | Rmax (KΩ) | DR (%) | DT (°C) |
|--------------|--------------|---------------|--------------|-----------|------------|
| -40 | 337.6 | 353.342 | 369.8 | 4.67% | 0.67 |
| -39 | 315.5 | 330.077 | 345.2 | 4.59% | 0.66 |
| -38 | 295.1 | 308.504 | 322.5 | 4.52% | 0.66 |
| -37 | 276.2 | 288.488 | 301.3 | 4.45% | 0.65 |
| -36 | 258.5 | 269.908 | 281.7 | 4.38% | 0.65 |
| -35 | 242.2 | 252.65 | 263.6 | 4.31% | 0.64 |
| -34 | 227 | 236.613 | 246.7 | 4.25% | 0.64 |
| -33 | 212.8 | 221.702 | 231 | 4.18% | 0.63 |
| -32 | 199.6 | 207.831 | 216.4 | 4.11% | 0.62 |
| -31 | 187.3 | 194.921 | 202.8 | 4.04% | 0.62 |
| -30 | 175.88 | 182.899 | 190.18 | 3.98% | 0.61 |
| -29 | 165.22 | 171.698 | 178.42 | 3.91% | 0.61 |
| -28 | 155.27 | 161.258 | 167.46 | 3.85% | 0.6 |
| -27 | 145.98 | 151.522 | 157.25 | 3.78% | 0.6 |
| -26 | 137.32 | 142.438 | 147.73 | 3.72% | 0.59 |
| -25 | 129.22 | 133.958 | 138.85 | 3.66% | 0.59 |
| -24 | 121.66 | 126.038 | 130.57 | 3.59% | 0.58 |
| -23 | 114.58 | 118.638 | 122.83 | 3.53% | 0.57 |
| -22 | 107.97 | 111.721 | 115.59 | 3.47% | 0.57 |
| -21 | 101.78 | 105.252 | 108.84 | 3.41% | 0.56 |
| -20 | 95.98 | 99.2 | 102.52 | 3.34% | 0.56 |
| -19 | 90.55 | 93.534 | 96.61 | 3.28% | 0.55 |
| -18 | 85.46 | 88.228 | 91.07 | 3.22% | 0.54 |
| -17 | 80.7 | 83.257 | 85.89 | 3.16% | 0.54 |
| -16 | 76.22 | 78.598 | 81.04 | 3.10% | 0.53 |
| -15 | 72.03 | 74.229 | 76.49 | 3.05% | 0.53 |
| -14 | 68.09 | 70.131 | 72.23 | 2.99% | 0.52 |
| -13 | 64.39 | 66.284 | 68.23 | 2.93% | 0.51 |
| -12 | 60.92 | 62.673 | 64.47 | 2.87% | 0.51 |
| -11 | 57.65 | 59.281 | 60.95 | 2.81% | 0.5 |
| -10 | 54.58 | 56.094 | 57.64 | 2.76% | 0.49 |
| -9 | 51.7 | 53.098 | 54.53 | 2.70% | 0.49 |
| -8 | 48.98 | 50.281 | 51.61 | 2.64% | 0.48 |
| -7 | 46.42 | 47.63 | 48.86 | 2.59% | 0.47 |
| -6 | 44.02 | 45.136 | 46.28 | 2.53% | 0.47 |
| -5 | 41.75 | 42.787 | 43.85 | 2.48% | 0.46 |
| -4 | 39.61 | 40.575 | 41.56 | 2.42% | 0.45 |
| -3 | 37.6 | 38.491 | 39.4 | 2.37% | 0.45 |



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| Temp (°C) | Rmin (KΩ) | Rcent (KΩ) | Rmax (KΩ) | DR (%) | DT (°C) |
|--------------|--------------|---------------|--------------|-----------|------------|
| -2 | 35.7 | 36.526 | 37.37 | 2.32% | 0.44 |
| -1 | 33.9 | 34.674 | 35.46 | 2.26% | 0.43 |
| 0 | 32.211 | 32.927 | 33.655 | 2.21% | 0.42 |
| 1 | 30.61 | 31.278 | 31.95 | 2.16% | 0.42 |
| 2 | 29.11 | 29.722 | 30.35 | 2.11% | 0.41 |
| 3 | 27.68 | 28.252 | 28.83 | 2.05% | 0.4 |
| 4 | 26.33 | 26.864 | 27.4 | 2.00% | 0.4 |
| 5 | 25.06 | 25.552 | 26.05 | 1.95% | 0.39 |
| 6 | 23.86 | 24.312 | 24.77 | 1.90% | 0.38 |
| 7 | 22.72 | 23.14 | 23.57 | 1.85% | 0.37 |
| 8 | 21.64 | 22.031 | 22.43 | 1.80% | 0.37 |
| 9 | 20.62 | 20.982 | 21.35 | 1.75% | 0.36 |
| 10 | 19.65 | 19.988 | 20.33 | 1.70% | 0.35 |
| 11 | 18.74 | 19.048 | 19.36 | 1.65% | 0.34 |
| 12 | 17.87 | 18.157 | 18.45 | 1.60% | 0.33 |
| 13 | 17.05 | 17.313 | 17.58 | 1.56% | 0.33 |
| 14 | 16.27 | 16.513 | 16.76 | 1.51% | 0.32 |
| 15 | 15.53 | 15.755 | 15.99 | 1.46% | 0.31 |
| 16 | 14.83 | 15.036 | 15.25 | 1.41% | 0.3 |
| 17 | 14.16 | 14.354 | 14.55 | 1.37% | 0.29 |
| 18 | 13.53 | 13.707 | 13.89 | 1.32% | 0.29 |
| 19 | 12.93 | 13.092 | 13.26 | 1.27% | 0.28 |
| 20 | 12.36 | 12.509 | 12.66 | 1.23% | 0.27 |
| 21 | 11.81 | 11.955 | 12.1 | 1.18% | 0.26 |
| 22 | 11.3 | 11.428 | 11.56 | 1.13% | 0.25 |
| 23 | 10.81 | 10.928 | 11.05 | 1.09% | 0.24 |
| 24 | 10.34 | 10.452 | 10.56 | 1.04% | 0.24 |
| 25 | 9.9 | 10 | 10.1 | 1.00% | 0.23 |
| 26 | 9.47 | 9.57 | 9.67 | 1.04% | 0.24 |
| 27 | 9.06 | 9.161 | 9.26 | 1.09% | 0.25 |
| 28 | 8.67 | 8.771 | 8.87 | 1.13% | 0.26 |
| 29 | 8.3 | 8.4 | 8.5 | 1.18% | 0.27 |
| 30 | 7.95 | 8.047 | 8.15 | 1.22% | 0.29 |
| 31 | 7.61 | 7.711 | 7.81 | 1.26% | 0.3 |
| 32 | 7.29 | 7.391 | 7.49 | 1.31% | 0.31 |
| 33 | 6.99 | 7.086 | 7.18 | 1.35% | 0.32 |
| 34 | 6.7 | 6.795 | 6.89 | 1.39% | 0.33 |
| 35 | 6.42 | 6.517 | 6.61 | 1.43% | 0.35 |
| 36 | 6.16 | 6.253 | 6.34 | 1.48% | 0.36 |
| 37 | 5.91 | 6 | 6.09 | 1.52% | 0.37 |



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|--------------|--------------|---------------|--------------|-----------|------------|
| 38 | 5.67 | 5.759 | 5.85 | 1.56% | 0.38 |
| 39 | 5.44 | 5.529 | 5.62 | 1.60% | 0.4 |
| 40 | 5.22 | 5.31 | 5.4 | 1.64% | 0.41 |
| 41 | 5.016 | 5.1 | 5.186 | 1.68% | 0.421 |
| 42 | 4.817 | 4.9 | 4.985 | 1.72% | 0.434 |
| 43 | 4.627 | 4.709 | 4.792 | 1.76% | 0.447 |
| 44 | 4.446 | 4.526 | 4.608 | 1.80% | 0.46 |
| 45 | 4.273 | 4.352 | 4.432 | 1.84% | 0.473 |
| 46 | 4.107 | 4.185 | 4.264 | 1.88% | 0.486 |
| 47 | 3.949 | 4.025 | 4.102 | 1.92% | 0.499 |
| 48 | 3.797 | 3.872 | 3.948 | 1.96% | 0.513 |
| 49 | 3.653 | 3.726 | 3.801 | 2.00% | 0.526 |
| 50 | 3.514 | 3.586 | 3.66 | 2.04% | 0.539 |
| 51 | 3.382 | 3.453 | 3.524 | 2.08% | 0.553 |
| 52 | 3.255 | 3.324 | 3.395 | 2.12% | 0.566 |
| 53 | 3.134 | 3.202 | 3.271 | 2.16% | 0.58 |
| 54 | 3.018 | 3.084 | 3.152 | 2.20% | 0.594 |
| 55 | 2.906 | 2.972 | 3.038 | 2.23% | 0.608 |
| 56 | 2.8 | 2.864 | 2.929 | 2.27% | 0.622 |
| 57 | 2.698 | 2.76 | 2.824 | 2.31% | 0.635 |
| 58 | 2.6 | 2.661 | 2.724 | 2.35% | 0.65 |
| 59 | 2.506 | 2.566 | 2.627 | 2.38% | 0.664 |
| 60 | 2.416 | 2.475 | 2.535 | 2.42% | 0.678 |
| 61 | 2.33 | 2.388 | 2.446 | 2.46% | 0.692 |
| 62 | 2.247 | 2.304 | 2.361 | 2.49% | 0.706 |
| 63 | 2.168 | 2.223 | 2.279 | 2.53% | 0.721 |
| 64 | 2.092 | 2.146 | 2.201 | 2.57% | 0.735 |
| 65 | 2.019 | 2.072 | 2.126 | 2.60% | 0.75 |
| 66 | 1.949 | 2.001 | 2.053 | 2.64% | 0.765 |
| 67 | 1.882 | 1.932 | 1.984 | 2.67% | 0.779 |
| 68 | 1.817 | 1.866 | 1.917 | 2.71% | 0.794 |
| 69 | 1.755 | 1.803 | 1.853 | 2.75% | 0.809 |
| 70 | 1.695 | 1.743 | 1.791 | 2.78% | 0.824 |
| 71 | 1.638 | 1.684 | 1.732 | 2.82% | 0.839 |
| 72 | 1.583 | 1.628 | 1.675 | 2.85% | 0.854 |
| 73 | 1.53 | 1.574 | 1.62 | 2.88% | 0.87 |
| 74 | 1.479 | 1.522 | 1.567 | 2.92% | 0.885 |
| 75 | 1.43 | 1.472 | 1.516 | 2.95% | 0.9 |
| 76 | 1.383 | 1.425 | 1.467 | 2.99% | 0.916 |
| 77 | 1.338 | 1.378 | 1.42 | 3.02% | 0.931 |



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| Temp (°C) | Rmin (KΩ) | Rcent (KΩ) | Rmax (KΩ) | DR (%) | DT (°C) |
|--------------|--------------|---------------|--------------|-----------|------------|
| 78 | 1.294 | 1.334 | 1.375 | 3.06% | 0.947 |
| 79 | 1.252 | 1.291 | 1.331 | 3.09% | 0.962 |
| 80 | 1.212 | 1.25 | 1.289 | 3.12% | 0.978 |
| 81 | 1.173 | 1.21 | 1.248 | 3.16% | 0.99 |
| 82 | 1.136 | 1.172 | 1.209 | 3.19% | 1.01 |
| 83 | 1.1 | 1.135 | 1.172 | 3.22% | 1.03 |
| 84 | 1.065 | 1.1 | 1.135 | 3.25% | 1.04 |
| 85 | 1.031 | 1.0655 | 1.101 | 3.29% | 1.06 |
| 86 | 0.999 | 1.033 | 1.067 | 3.32% | 1.07 |
| 87 | 0.968 | 1.001 | 1.034 | 3.35% | 1.09 |
| 88 | 0.938 | 0.97 | 1.003 | 3.38% | 1.11 |
| 89 | 0.909 | 0.941 | 0.973 | 3.42% | 1.12 |
| 90 | 0.882 | 0.912 | 0.944 | 3.45% | 1.14 |
| 91 | 0.855 | 0.885 | 0.915 | 3.48% | 1.16 |
| 92 | 0.829 | 0.858 | 0.888 | 3.51% | 1.17 |
| 93 | 0.804 | 0.832 | 0.862 | 3.54% | 1.19 |
| 94 | 0.78 | 0.808 | 0.837 | 3.57% | 1.21 |
| 95 | 0.757 | 0.784 | 0.812 | 3.60% | 1.22 |
| 96 | 0.734 | 0.761 | 0.789 | 3.64% | 1.24 |
| 97 | 0.712 | 0.739 | 0.766 | 3.67% | 1.26 |
| 98 | 0.691 | 0.717 | 0.744 | 3.70% | 1.27 |
| 99 | 0.671 | 0.696 | 0.722 | 3.73% | 1.29 |
| 100 | 0.652 | 0.6763 | 0.702 | 3.76% | 1.31 |
| 101 | 0.633 | 0.657 | 0.682 | 3.79% | 1.33 |
| 102 | 0.615 | 0.638 | 0.662 | 3.82% | 1.34 |
| 103 | 0.597 | 0.62 | 0.644 | 3.85% | 1.36 |
| 104 | 0.58 | 0.602 | 0.626 | 3.88% | 1.38 |
| 105 | 0.563 | 0.586 | 0.608 | 3.91% | 1.4 |
| 106 | 0.548 | 0.569 | 0.592 | 3.94% | 1.41 |
| 107 | 0.532 | 0.553 | 0.575 | 3.97% | 1.43 |
| 108 | 0.517 | 0.538 | 0.559 | 4.00% | 1.45 |
| 109 | 0.503 | 0.523 | 0.544 | 4.02% | 1.47 |
| 110 | 0.489 | 0.509 | 0.529 | 4.05% | 1.49 |
| 111 | 0.475 | 0.495 | 0.515 | 4.08% | 1.5 |
| 112 | 0.462 | 0.481 | 0.501 | 4.11% | 1.52 |
| 113 | 0.45 | 0.468 | 0.488 | 4.14% | 1.54 |
| 114 | 0.437 | 0.456 | 0.475 | 4.17% | 1.56 |
| 115 | 0.426 | 0.443 | 0.462 | 4.20% | 1.58 |
| 116 | 0.414 | 0.432 | 0.45 | 4.22% | 1.6 |
| 117 | 0.403 | 0.42 | 0.438 | 4.25% | 1.62 |



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|--------------|--------------|---------------|--------------|-----------|------------|
| 118 | 0.392 | 0.409 | 0.426 | 4.28% | 1.63 |
| 119 | 0.382 | 0.398 | 0.415 | 4.31% | 1.65 |
| 120 | 0.372 | 0.388 | 0.404 | 4.34% | 1.67 |