

ERTJ0EV474J R-T Characteristics

(for reference)

$$R_{25} = 470 \text{ kohm } \pm 5\%$$

$$B_{25/50} = 4700 \text{ K } \pm 2\%$$

| 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 | 24590 | 28090 | 32010 | 25 | 446.5 | 470.0 | 493.5 | 90 | 23.87 | 26.61 | 29.59 |
| -39 | 22830 | 26040 | 29620 | 26 | 423.5 | 446.2 | 469.0 | 91 | 22.98 | 25.64 | 28.54 |
| -38 | 21200 | 24150 | 27430 | 27 | 401.7 | 423.7 | 445.9 | 92 | 22.13 | 24.71 | 27.52 |
| -37 | 19700 | 22410 | 25420 | 28 | 381.2 | 402.5 | 424.0 | 93 | 21.319 | 23.82 | 26.55 |
| -36 | 18320 | 20800 | 23560 | 29 | 361.8 | 382.5 | 403.2 | 94 | 20.54 | 22.97 | 25.61 |
| -35 | 17040 | 19320 | 21850 | 30 | 343.6 | 363.5 | 383.7 | 95 | 19.79 | 22.14 | 24.72 |
| -34 | 15860 | 17950 | 20270 | 31 | 326.3 | 345.6 | 365.1 | 96 | 19.07 | 21.36 | 23.86 |
| -33 | 14760 | 16690 | 18820 | 32 | 310.0 | 328.6 | 347.6 | 97 | 18.39 | 20.60 | 23.03 |
| -32 | 13750 | 15520 | 17480 | 33 | 294.6 | 312.6 | 330.9 | 98 | 17.73 | 19.88 | 22.23 |
| -31 | 12810 | 14440 | 16240 | 34 | 280.0 | 297.4 | 315.2 | 99 | 17.09 | 19.18 | 21.47 |
| -30 | 11950 | 13450 | 15100 | 35 | 266.2 | 283.1 | 300.3 | 100 | 16.49 | 18.51 | 20.74 |
| -29 | 11140 | 12520 | 14040 | 36 | 253.2 | 269.5 | 286.1 | 101 | 15.90 | 17.87 | 20.03 |
| -28 | 10400 | 11670 | 13070 | 37 | 240.8 | 256.6 | 272.7 | 102 | 15.34 | 17.26 | 19.36 |
| -27 | 9706 | 10880 | 12160 | 38 | 229.2 | 244.4 | 260.0 | 103 | 14.81 | 16.66 | 18.71 |
| -26 | 9065 | 10150 | 11330 | 39 | 218.1 | 232.8 | 247.9 | 104 | 14.29 | 16.10 | 18.08 |
| -25 | 8470 | 9468 | 10560 | 40 | 207.6 | 221.9 | 236.5 | 105 | 13.80 | 15.55 | 17.48 |
| -24 | 7914 | 8834 | 9837 | 41 | 197.7 | 211.5 | 225.6 | 106 | 13.32 | 15.02 | 16.90 |
| -23 | 7402 | 8251 | 9174 | 42 | 188.3 | 201.6 | 215.3 | 107 | 12.87 | 14.52 | 16.34 |
| -22 | 6925 | 7709 | 8560 | 43 | 179.4 | 192.3 | 205.5 | 108 | 12.43 | 14.03 | 15.81 |
| -21 | 6481 | 7205 | 7990 | 44 | 171.0 | 183.4 | 196.2 | 109 | 12.01 | 13.57 | 15.29 |
| -20 | 6069 | 6737 | 7461 | 45 | 163.0 | 175.0 | 187.4 | 110 | 11.60 | 13.12 | 14.80 |
| -19 | 5684 | 6302 | 6970 | 46 | 155.4 | 167.0 | 179.0 | 111 | 11.21 | 12.68 | 14.32 |
| -18 | 5326 | 5897 | 6513 | 47 | 148.2 | 159.4 | 171.0 | 112 | 10.84 | 12.27 | 13.86 |
| -17 | 4992 | 5521 | 6089 | 48 | 141.3 | 152.2 | 163.4 | 113 | 10.47 | 11.87 | 13.41 |
| -16 | 4682 | 5170 | 5695 | 49 | 134.9 | 145.3 | 156.2 | 114 | 10.13 | 11.48 | 12.98 |
| -15 | 4392 | 4844 | 5329 | 50 | 128.7 | 138.8 | 149.4 | 115 | 9.792 | 11.11 | 12.57 |
| -14 | 4122 | 4540 | 4988 | 51 | 122.9 | 132.6 | 142.8 | 116 | 9.470 | 10.75 | 12.17 |
| -13 | 3869 | 4257 | 4671 | 52 | 117.3 | 126.7 | 136.6 | 117 | 9.160 | 10.41 | 11.79 |
| -12 | 3634 | 3993 | 4375 | 53 | 112.0 | 121.1 | 130.7 | 118 | 8.861 | 10.07 | 11.42 |
| -11 | 3414 | 3746 | 4100 | 54 | 107.0 | 115.8 | 125.0 | 119 | 8.573 | 9.751 | 11.06 |
| -10 | 3209 | 3516 | 3844 | 55 | 102.2 | 110.7 | 119.7 | 120 | 8.295 | 9.442 | 10.72 |
| -9 | 3017 | 3302 | 3605 | 56 | 97.64 | 105.9 | 114.5 | 121 | 8.027 | 9.143 | 10.39 |
| -8 | 2837 | 3102 | 3382 | 57 | 93.32 | 101.3 | 109.7 | 122 | 7.769 | 8.854 | 10.07 |
| -7 | 2669 | 2914 | 3174 | 58 | 89.20 | 96.91 | 105.0 | 123 | 7.520 | 8.576 | 9.756 |
| -6 | 2512 | 2740 | 2980 | 59 | 85.29 | 92.74 | 100.6 | 124 | 7.280 | 8.308 | 9.456 |
| -5 | 2365 | 2576 | 2798 | 60 | 81.57 | 88.77 | 96.37 | 125 | 7.049 | 8.048 | 9.167 |
| -4 | 2228 | 2423 | 2629 | 61 | 78.03 | 84.99 | 92.35 | | | | |
| -3 | 2099 | 2280 | 2471 | 62 | 74.66 | 81.39 | 88.51 | | | | |
| -2 | 1978 | 2146 | 2323 | 63 | 71.45 | 77.96 | 84.86 | | | | |
| -1 | 1865 | 2021 | 2185 | 64 | 68.40 | 74.70 | 81.37 | | | | |
| 0 | 1758 | 1903 | 2055 | 65 | 65.49 | 71.59 | 78.05 | | | | |
| 1 | 1659 | 1793 | 1934 | 66 | 62.73 | 68.62 | 74.88 | | | | |
| 2 | 1565 | 1690 | 1821 | 67 | 60.09 | 65.79 | 71.86 | | | | |
| 3 | 1477 | 1593 | 1714 | 68 | 57.59 | 63.10 | 68.97 | | | | |
| 4 | 1395 | 1502 | 1615 | 69 | 55.20 | 60.53 | 66.22 | | | | |
| 5 | 1317 | 1417 | 1521 | 70 | 52.92 | 58.09 | 63.60 | | | | |
| 6 | 1244 | 1337 | 1434 | 71 | 50.75 | 55.75 | 61.09 | | | | |
| 7 | 1176 | 1262 | 1352 | 72 | 48.69 | 53.52 | 58.70 | | | | |
| 8 | 1111 | 1192 | 1275 | 73 | 46.71 | 51.40 | 56.41 | | | | |
| 9 | 1051 | 1125 | 1203 | 74 | 44.83 | 49.37 | 54.22 | | | | |
| 10 | 993.7 | 1063 | 1135 | 75 | 43.04 | 47.43 | 52.14 | | | | |
| 11 | 940.1 | 1005 | 1071 | 76 | 41.32 | 45.57 | 50.14 | | | | |
| 12 | 889.6 | 949.7 | 1011 | 77 | 39.68 | 43.80 | 48.23 | | | | |
| 13 | 842.2 | 898.0 | 955.2 | 78 | 38.12 | 42.11 | 46.40 | | | | |
| 14 | 797.5 | 849.4 | 902.5 | 79 | 36.62 | 40.49 | 44.65 | | | | |
| 15 | 755.3 | 803.7 | 853.0 | 80 | 35.19 | 38.94 | 42.97 | | | | |
| 16 | 715.7 | 760.6 | 806.4 | 81 | 33.82 | 37.45 | 41.36 | | | | |
| 17 | 678.3 | 720.1 | 762.6 | 82 | 32.52 | 36.03 | 39.83 | | | | |
| 18 | 643.1 | 682.0 | 721.4 | 83 | 31.26 | 34.67 | 38.35 | | | | |
| 19 | 609.9 | 646.1 | 682.7 | 84 | 30.06 | 33.37 | 36.94 | | | | |
| 20 | 578.5 | 612.2 | 646.2 | 85 | 28.92 | 32.12 | 35.58 | | | | |
| 21 | 549.0 | 580.3 | 611.9 | 86 | 27.82 | 30.92 | 34.28 | | | | |
| 22 | 521.1 | 550.3 | 579.6 | 87 | 26.77 | 29.77 | 33.04 | | | | |
| 23 | 494.8 | 521.9 | 549.2 | 88 | 25.76 | 28.67 | 31.84 | | | | |
| 24 | 470.0 | 495.2 | 520.5 | 89 | 24.79 | 27.62 | 30.69 | | | | |
| 25 | 446.5 | 470.0 | 493.5 | 90 | 23.87 | 26.61 | 29.59 | | | | |