

Zener Diodes

1W Zener Diodes/DO-41

| TYPE NUMBER | Nominal Zener Voltage* | Test Current | Maximum Zener Impedance | | | Maximum Reverse Leakage Current | | Max. Surge Current 8.3ms | Maximum Zener Current |
|----------------|------------------------------|-----------------|-------------------------|-------------------|----------|------------------------------------|---------|-----------------------------|-----------------------------|
| | $V_Z @ I_{ZT}$ | I_{ZT} | $Z_{ZT} @ I_{ZT}$ | $Z_{ZK} @ I_{ZK}$ | I_{ZK} | I_R | @ V_R | I_{ZS} | I_{ZM} |
| | Volts | mA | Ohms | Ohms | mA | μA | Volts | mA | mA |
| 1N4729A | 3.6 | 69 | 10 | 400 | 1.0 | 100 | 1.0 | 1260 | 252 |
| 1N4730A | 3.9 | 64 | 9.0 | 400 | 1.0 | 50 | 1.0 | 1190 | 234 |
| 1N4731A | 4.3 | 58 | 9.0 | 400 | 1.0 | 10 | 1.0 | 1070 | 217 |
| 1N4732A | 4.7 | 53 | 8.0 | 500 | 1.0 | 10 | 1.0 | 970 | 193 |
| 1N4733A | 5.1 | 49 | 7.0 | 550 | 1.0 | 10 | 1.0 | 890 | 178 |
| 1N4734A | 5.6 | 45 | 5.0 | 600 | 1.0 | 10 | 2.0 | 810 | 162 |
| 1N4735A | 6.2 | 41 | 2.0 | 700 | 1.0 | 10 | 3.0 | 730 | 146 |
| 1N4736A | 6.8 | 37 | 3.5 | 700 | 1.0 | 10 | 4.0 | 660 | 133 |
| 1N4737A | 7.5 | 34 | 4.0 | 700 | 0.5 | 10 | 5.0 | 605 | 121 |
| 1N4738A | 8.2 | 31 | 4.5 | 700 | 0.5 | 10 | 6.0 | 550 | 110 |
| 1N4739A | 9.1 | 28 | 5.0 | 700 | 0.5 | 10 | 7.0 | 500 | 100 |
| 1N4740A | 10 | 25 | 7.0 | 700 | 0.25 | 10 | 7.6 | 454 | 91 |
| 1N4741A | 11 | 23 | 8.0 | 700 | 0.25 | 5.0 | 8.4 | 414 | 83 |
| 1N4742A | 12 | 21 | 9.0 | 700 | 0.25 | 5.0 | 9.1 | 380 | 76 |
| 1N4743A | 13 | 19 | 10 | 700 | 0.25 | 5.0 | 9.9 | 344 | 69 |
| 1N4744A | 15 | 17 | 14 | 700 | 0.25 | 5.0 | 11.4 | 304 | 61 |
| 1N4745A | 16 | 15.5 | 16 | 700 | 0.25 | 5.0 | 12.2 | 285 | 57 |
| 1N4746A | 18 | 14 | 20 | 750 | 0.25 | 5.0 | 13.7 | 250 | 50 |
| 1N4747A | 20 | 12.5 | 22 | 750 | 0.25 | 5.0 | 15.2 | 225 | 45 |
| 1N4748A | 22 | 11.5 | 23 | 750 | 0.25 | 5.0 | 16.7 | 205 | 41 |
| 1N4749A | 24 | 10.5 | 25 | 750 | 0.25 | 5.0 | 18.2 | 190 | 38 |
| 1N4750A | 27 | 9.5 | 35 | 750 | 0.25 | 5.0 | 20.6 | 170 | 34 |
| 1N4751A | 30 | 8.5 | 40 | 1000 | 0.25 | 5.0 | 22.8 | 150 | 30 |
| 1N4752A | 33 | 7.5 | 45 | 1000 | 0.25 | 5.0 | 25.1 | 135 | 27 |
| 1N4753A | 36 | 7.0 | 50 | 1000 | 0.25 | 5.0 | 27.4 | 125 | 25 |
| 1N4754A | 39 | 6.5 | 60 | 1000 | 0.25 | 5.0 | 29.7 | 115 | 23 |
| 1N4755A | 43 | 6.0 | 70 | 1500 | 0.25 | 5.0 | 32.7 | 110 | 22 |
| 1N4756A | 47 | 5.5 | 80 | 1500 | 0.25 | 5.0 | 35.8 | 95 | 19 |
| 1N4757A | 51 | 5.0 | 95 | 1500 | 0.25 | 5.0 | 38.8 | 90 | 18 |
| 1N4758A | 56 | 4.5 | 110 | 2000 | 0.25 | 5.0 | 42.6 | 80 | 16 |
| 1N4759A | 62 | 4.0 | 125 | 2000 | 0.25 | 5.0 | 47.1 | 70 | 14 |
| 1N4760A | 68 | 3.7 | 150 | 2000 | 0.25 | 5.0 | 51.7 | 65 | 13 |
| 1N4761A | 75 | 3.3 | 175 | 2000 | 0.25 | 5.0 | 56.0 | 60 | 12 |
| 1N4762A | 82 | 3.0 | 200 | 3000 | 0.25 | 5.0 | 62.2 | 55 | 11 |
| 1N4763A | 91 | 2.8 | 250 | 3000 | 0.25 | 5.0 | 69.2 | 50 | 10 |
| 1N4764A | 100 | 2.5 | 350 | 3000 | 0.25 | 5.0 | 76.0 | 45 | 9 |

NOTE: Suffix 'A' Indicates $\pm 5\%$ Tolerance.

* Measured under dc Thermal Equilibrium Test Conditions.

OPERATING/STORAGE TEMPERATURE -65°C to $+200^{\circ}\text{C}$