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Jameco Part Number 743349

1N4731 and ZM4731 Series 1 W Zener Diodes **1N4731 to 1N4764** (DO-41 Glass Package) $T_A = 25\text{ }^\circ\text{C}$
ZM4731 to ZM4764 (MELF Glass Package) $T_A = 25\text{ }^\circ\text{C}$

| Type | Nominal Zener Voltage V_Z at I_{ZT} * | Test Current I_{ZT} | Maximum Zener Impedance | | | Maximum Reverse Leakage Current | | Max. Surge Current 8.3 ms I_{ZS} | Maximum Regulator Current I_{ZM} | |
|---------------|---|-----------------------|-------------------------|----------------------|----------|---------------------------------|----------|------------------------------------|------------------------------------|-----|
| | | | Z_{ZT} at I_{ZT} | Z_{ZK} at I_{ZK} | I_{ZK} | I_R | at V_R | | | |
| | Volts | mA | Ohms | Ohms | mA | μA | Volts | mA | mA | |
| 1N4731 | ZM4731 | 4.3 | 58 | 9 | 400 | 1.0 | 50 | 1 | 1070 | 217 |
| 1N4732 | ZM4732 | 4.7 | 53 | 8 | 500 | 1.0 | 10 | 1 | 970 | 193 |
| 1N4733 | ZM4733 | 5.1 | 49 | 7 | 550 | 1.0 | 10 | 1 | 890 | 178 |
| 1N4734 | ZM4734 | 5.6 | 45 | 5 | 600 | 1.0 | 10 | 2 | 810 | 162 |
| 1N4735 | ZM4735 | 6.2 | 41 | 2 | 700 | 1.0 | 10 | 3 | 730 | 146 |
| 1N4736 | ZM4736 | 6.8 | 37 | 3.5 | 700 | 1.0 | 10 | 4 | 660 | 133 |
| 1N4737 | ZM4737 | 7.5 | 34 | 4 | 700 | 0.5 | 10 | 5 | 605 | 121 |
| 1N4738 | ZM4738 | 8.2 | 31 | 4.5 | 700 | 0.5 | 10 | 6 | 550 | 110 |
| 1N4739 | ZM4739 | 9.1 | 28 | 5 | 700 | 0.5 | 10 | 7 | 500 | 100 |
| 1N4740 | ZM4740 | 10 | 25 | 7 | 700 | 0.25 | 10 | 7.6 | 454 | 91 |
| 1N4741 | ZM4741 | 11 | 23 | 8 | 700 | 0.25 | 5 | 8.4 | 414 | 83 |
| 1N4742 | ZM4742 | 12 | 21 | 9 | 700 | 0.25 | 5 | 9.1 | 380 | 76 |
| 1N4743 | ZM4743 | 13 | 19 | 10 | 700 | 0.25 | 5 | 9.9 | 344 | 69 |
| 1N4744 | ZM4744 | 15 | 17 | 14 | 700 | 0.25 | 5 | 11.4 | 304 | 61 |
| 1N4745 | ZM4745 | 16 | 15.5 | 16 | 700 | 0.25 | 5 | 12.2 | 285 | 57 |
| 1N4746 | ZM4746 | 18 | 14 | 20 | 750 | 0.25 | 5 | 13.7 | 250 | 50 |
| 1N4747 | ZM4747 | 20 | 12.5 | 22 | 750 | 0.25 | 5 | 15.2 | 225 | 45 |
| 1N4748 | ZM4748 | 22 | 11.5 | 23 | 750 | 0.25 | 5 | 16.7 | 205 | 41 |
| 1N4749 | ZM4749 | 24 | 10.5 | 25 | 750 | 0.25 | 5 | 18.2 | 190 | 38 |
| 1N4750 | ZM4750 | 27 | 9.5 | 35 | 750 | 0.25 | 5 | 20.6 | 170 | 34 |
| 1N4751 | ZM4751 | 30 | 8.5 | 40 | 1000 | 0.25 | 5 | 22.8 | 150 | 30 |
| 1N4752 | ZM4752 | 33 | 7.5 | 45 | 1000 | 0.25 | 5 | 25.1 | 135 | 27 |
| 1N4753 | ZM4753 | 36 | 7.0 | 50 | 1000 | 0.25 | 5 | 27.4 | 125 | 25 |
| 1N4754 | ZM4754 | 39 | 6.5 | 60 | 1000 | 0.25 | 5 | 29.7 | 115 | 23 |
| 1N4755 | ZM4755 | 43 | 6.0 | 70 | 1500 | 0.25 | 5 | 32.7 | 110 | 22 |
| 1N4756 | ZM4756 | 47 | 5.5 | 80 | 1500 | 0.25 | 5 | 35.8 | 95 | 19 |
| 1N4757 | ZM4757 | 51 | 5.0 | 95 | 1500 | 0.25 | 5 | 38.8 | 90 | 18 |
| 1N4758 | ZM4758 | 56 | 4.5 | 110 | 2000 | 0.25 | 5 | 42.6 | 80 | 16 |
| 1N4759 | ZM4759 | 62 | 4.0 | 125 | 2000 | 0.25 | 5 | 47.1 | 70 | 14 |
| 1N4760 | ZM4760 | 68 | 3.7 | 150 | 2000 | 0.25 | 5 | 51.7 | 65 | 13 |
| 1N4761 | ZM4761 | 75 | 3.3 | 175 | 2000 | 0.25 | 5 | 56.0 | 60 | 12 |
| 1N4762 | ZM4762 | 82 | 3.0 | 200 | 3000 | 0.25 | 5 | 62.2 | 55 | 11 |
| 1N4763 | ZM4763 | 91 | 2.8 | 250 | 3000 | 0.25 | 5 | 69.2 | 50 | 10 |
| 1N4764 | ZM4764 | 100 | 2.5 | 350 | 3000 | 0.25 | 5 | 76.0 | 45 | 9.0 |

Standard Voltage Tolerance is $\pm 10\%$. Add Suffix "A" for $\pm 5\%$ Tolerance. Other Tolerances, Non-Standard and Higher Zener Voltages Upon Request.

*Measured under thermal equilibrium and DC test conditions.