



ZENER DIODES

400 mW ZENER DIODES/DO-35

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +175°C

| Type No. | Nominal Zener Voltage $V_Z @ I_{ZT}$ | Zener Test Current I_{ZT} | Maximum Zener Impedance $Z_{ZT} @ I_{ZT}$ | Maximum Reverse Current @ $V = 1$ Volt | | Maximum Zener Current I_{ZM} | Typical Temp Coefficient Zener Voltage $\mu V/^\circ C$ |
|----------|---|--------------------------------|--|---|----------|-----------------------------------|---|
| | | | | @ 25°C | @ +150°C | | |
| | VOLTS | mA | OHMS | μA | μA | mA | %/°C |
| 1N746A | 3.3 | 20 | 28 | 10 | 30 | 110 | SEE VALUES FOR TYPES 1N5226B THRU 1N5242B ON NEXT PAGE |
| 1N747A | 3.6 | 20 | 24 | 10 | 30 | 100 | |
| 1N748A | 3.9 | 20 | 23 | 10 | 30 | 95 | |
| 1N749A | 4.3 | 20 | 22 | 2.0 | 30 | 85 | |
| 1N750A | 4.7 | 20 | 19 | 2.0 | 30 | 75 | |
| 1N751A | 5.1 | 20 | 17 | 1.0 | 20 | 70 | |
| 1N752A | 5.6 | 20 | 11 | 1.0 | 20 | 65 | |
| 1N753A | 6.2 | 20 | 7.0 | 0.1 | 20 | 65 | |
| 1N754A | 6.8 | 20 | 5.0 | 0.1 | 20 | 55 | |
| 1N755A | 7.5 | 20 | 6.0 | 0.1 | 20 | 50 | |
| 1N756A | 8.2 | 20 | 8.0 | 0.1 | 20 | 45 | |
| 1N757A | 9.1 | 20 | 10 | 0.1 | 20 | 40 | |
| 1N758A | 10.0 | 20 | 17 | 0.1 | 20 | 35 | |
| 1N759A | 12.0 | 20 | 30 | 0.1 | 20 | 30 | |

NOTE: Suffix "A" Indicates 5% Tolerance.

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OPERATING/STORAGE TEMPERATURE RANGE -65°C to +175°C

| Type No. | Nominal Zener Voltage $V_Z @ I_{ZT}$ | Test Current I_{ZT} | Maximum Zener Impedance | | | Typical Temperature Coefficient | Maximum Reverse Current @ 25°C | | Maximum Regulator Current I_{ZM} |
|----------|---|--------------------------|-------------------------|-------------------|------|---------------------------------|--------------------------------|-------|---------------------------------------|
| | | | $Z_{ZT} @ I_{ZT}$ | $Z_{ZK} @ I_{ZK}$ | | | I_R | V_R | |
| | Volts | mA | Ohms | Ohms | mA | %/°C | μA | V | mA |
| 1N957B | 6.8 | 18.5 | 4.5 | 700 | 1.0 | +0.050 | 150 | 5.2 | 47 |
| 1N958B | 7.5 | 16.5 | 5.5 | 700 | 0.5 | +0.058 | 75 | 5.7 | 42 |
| 1N959B | 8.2 | 15 | 6.5 | 700 | 0.5 | +0.062 | 50 | 6.2 | 38 |
| 1N960B | 9.1 | 14 | 7.5 | 700 | 0.5 | +0.068 | 25 | 6.9 | 35 |
| 1N961B | 10 | 12.5 | 8.5 | 700 | 0.25 | +0.075 | 10 | 7.6 | 32 |
| 1N962B | 11 | 11.5 | 9.5 | 700 | 0.25 | +0.076 | 5 | 8.4 | 28 |
| 1N963B | 12 | 10.5 | 11.5 | 700 | 0.25 | +0.077 | 5 | 9.1 | 26 |
| 1N964B | 13 | 9.5 | 13 | 700 | 0.25 | +0.079 | 5 | 9.9 | 24 |
| 1N965B | 15 | 8.5 | 16 | 700 | 0.25 | +0.082 | 5 | 11.4 | 21 |
| 1N966B | 16 | 7.8 | 17 | 700 | 0.25 | +0.083 | 5 | 12.2 | 19 |
| 1N967B | 18 | 7.0 | 21 | 750 | 0.25 | +0.085 | 5 | 13.7 | 17 |
| 1N968B | 20 | 6.2 | 25 | 750 | 0.25 | +0.086 | 5 | 15.2 | 15 |
| 1N969B | 22 | 5.6 | 29 | 750 | 0.25 | +0.087 | 5 | 16.7 | 14 |
| 1N970B | 24 | 5.2 | 33 | 750 | 0.25 | +0.088 | 5 | 18.2 | 13 |
| 1N971B | 27 | 4.6 | 41 | 750 | 0.25 | +0.090 | 5 | 20.6 | 11 |
| 1N972B | 30 | 4.2 | 49 | 1000 | 0.25 | +0.091 | 5 | 22.8 | 10 |
| 1N973B | 33 | 3.8 | 58 | 1000 | 0.25 | +0.092 | 5 | 25.1 | 9.0 |
| 1N974B | 36 | 3.4 | 70 | 1000 | 0.25 | +0.093 | 5 | 27.4 | 8.5 |

NOTE: Suffix B Indicates 5% Tolerance.