

ZENER DIODES, GLASS PACKAGE, GENERAL PURPOSE

| 500mW JEDEC Part Number | Nominal Zener Voltage at I_z | Zener Test Current I_z | Max Zener Impedance for Suffix A & B | | Maximum Reverse Current at 25°C | | | No. Suffix at V_z of Suffix A | Typ. Temp. Coeff. of Zener Voltage %/°C | Package Quantities | Outline | |
|----------------------------|--------------------------------|--------------------------|--------------------------------------|------------------------|---------------------------------|---------|-----------|---------------------------------|---|--------------------|---|-----------|
| | | | $Z_{0.1}$ | $Z_{0.1} @ I_z = 25mA$ | A, B, C & D Suffix | | I_r | | | | | I_{rs} |
| | | | (Ohms) | (Ohms) | A | B, C, D | V_z (V) | | | | | V_z (V) |
| 1N5221 | 2.4 | 20 | 30 | 1200 | 0.95 | 1.0 | 100 | 200 | -0.085 | 1000/ 10,000 | <p>DO-35</p> <p>All Dimensions in Inches/mm</p> | |
| 1N5222 | 2.5 | 20 | 30 | 1250 | 0.95 | 1.0 | 100 | 200 | -0.085 | | | |
| 1N5223 | 2.7 | 20 | 30 | 1300 | 0.95 | 1.0 | 75 | 150 | -0.080 | | | |
| 1N5224 | 2.8 | 20 | 30 | 1400 | 0.95 | 1.0 | 75 | 150 | -0.080 | | | |
| 1N5225 | 3.0 | 20 | 29 | 1600 | 0.95 | 1.0 | 50 | 100 | -0.075 | | | |
| 1N5226 | 3.3 | 20 | 28 | 1600 | 0.95 | 1.0 | 25 | 100 | -0.070 | | | |
| 1N5227 | 3.6 | 20 | 24 | 1700 | 0.95 | 1.0 | 15 | 100 | -0.065 | | | |
| 1N5228 | 3.9 | 20 | 23 | 1900 | 0.95 | 1.0 | 10 | 75 | -0.060 | | | |
| 1N5229 | 4.3 | 20 | 22 | 2000 | 0.95 | 1.0 | 5.0 | 50 | ±0.055 | | | |
| 1N5230 | 4.7 | 20 | 19 | 1900 | 1.9 | 2.0 | 5.0 | 50 | ±0.030 | | | |
| 1N5231 | 5.1 | 20 | 17 | 1800 | 1.9 | 2.0 | 5.0 | 50 | ±0.030 | | | |
| 1N5232 | 5.6 | 20 | 11 | 1600 | 2.9 | 3.0 | 5.0 | 50 | +0.038 | | | |
| 1N5233 | 6.0 | 20 | 7.0 | 1600 | 3.3 | 3.5 | 5.0 | 50 | +0.038 | | | |
| 1N5234 | 6.2 | 20 | 7.0 | 1000 | 3.8 | 4.0 | 5.0 | 50 | +0.045 | | | |
| 1N5235 | 6.8 | 20 | 5.0 | 750 | 4.8 | 5.0 | 3.0 | 30 | +0.050 | | | |
| 1N5236 | 7.5 | 20 | 6.0 | 500 | 5.7 | 6.0 | 3.0 | 30 | +0.058 | | | |
| 1N5237 | 8.2 | 20 | 8.0 | 500 | 6.2 | 6.5 | 3.0 | 30 | +0.062 | | | |
| 1N5238 | 8.7 | 20 | 8.0 | 600 | 6.2 | 6.5 | 3.0 | 30 | +0.065 | | | |
| 1N5239 | 9.1 | 20 | 10 | 600 | 6.7 | 7.0 | 3.0 | 30 | +0.068 | | | |
| 1N5240 | 10 | 20 | 17 | 600 | 7.6 | 8.0 | 3.0 | 30 | +0.075 | | | |
| 1N5241 | 11 | 20 | 22 | 600 | 8.0 | 8.4 | 2.0 | 30 | +0.076 | | | |
| 1N5242 | 12 | 20 | 30 | 600 | 8.7 | 9.1 | 1.0 | 10 | +0.077 | | | |
| 1N5243 | 13 | 9.5 | 13 | 600 | 9.4 | 9.9 | 0.5 | 10 | +0.079 | | | |
| 1N5244 | 14 | 9.0 | 15 | 600 | 9.5 | 10 | 0.1 | 10 | +0.082 | | | |
| 1N5245 | 15 | 8.5 | 16 | 600 | 10.5 | 11 | 0.1 | 10 | +0.082 | | | |
| 1N5246 | 16 | 7.8 | 17 | 600 | 11.4 | 12 | 0.1 | 10 | +0.083 | | | |
| 1N5247 | 17 | 7.4 | 19 | 600 | 12.4 | 13 | 0.1 | 10 | +0.084 | | | |
| 1N5248 | 18 | 7.0 | 21 | 600 | 13.3 | 14 | 0.1 | 10 | +0.085 | | | |
| 1N5249 | 19 | 6.6 | 23 | 600 | 13.3 | 14 | 0.1 | 10 | +0.086 | | | |
| 1N5250 | 20 | 6.2 | 25 | 600 | 14.3 | 15 | 0.1 | 10 | +0.086 | | | |
| 1N5251 | 22 | 5.6 | 29 | 600 | 16.2 | 17 | 0.1 | 10 | +0.087 | | | |
| 1N5252 | 24 | 5.2 | 33 | 600 | 17.1 | 18 | 0.1 | 10 | +0.088 | | | |
| 1N5253 | 25 | 5.0 | 35 | 600 | 18.1 | 19 | 0.1 | 10 | +0.089 | | | |
| 1N5254 | 27 | 4.6 | 41 | 600 | 20 | 21 | 0.1 | 10 | +0.090 | | | |
| 1N5255 | 28 | 4.5 | 44 | 600 | 20 | 21 | 0.1 | 10 | +0.091 | | | |
| 1N5256 | 30 | 4.2 | 49 | 600 | 22 | 23 | 0.1 | 10 | +0.091 | | | |
| 1N5257 | 33 | 3.8 | 58 | 700 | 24 | 25 | 0.1 | 10 | +0.092 | | | |
| 1N5258 | 36 | 3.4 | 70 | 700 | 26 | 27 | 0.1 | 10 | +0.093 | | | |
| 1N5259 | 39 | 3.2 | 80 | 800 | 29 | 30 | 0.1 | 10 | +0.094 | | | |
| 1N5260 | 43 | 3.0 | 93 | 900 | 31 | 33 | 0.1 | 10 | +0.095 | | | |
| 1N5261 | 47 | 2.7 | 105 | 1000 | 34 | 36 | 0.1 | 10 | +0.095 | | | |
| 1N5262 | 51 | 2.5 | 125 | 1100 | 37 | 39 | 0.1 | 10 | +0.096 | | | |
| 1N5263 | 56 | 2.2 | 150 | 1300 | 41 | 43 | 0.1 | 10 | +0.096 | | | |
| 1N5264 | 60 | 2.1 | 170 | 1400 | 44 | 46 | 0.1 | 10 | +0.097 | | | |
| 1N5265 | 62 | 2.0 | 185 | 1400 | 45 | 47 | 0.1 | 10 | +0.097 | | | |
| 1N5266 | 68 | 1.8 | 230 | 1600 | 49 | 52 | 0.1 | 10 | +0.097 | | | |
| 1N5267 | 75 | 1.7 | 270 | 1700 | 53 | 56 | 0.1 | 10 | +0.098 | | | |
| 1N5268 | 82 | 1.5 | 330 | 2000 | 59 | 62 | 0.1 | 10 | +0.098 | | | |
| 1N5269 | 87 | 1.4 | 370 | 2200 | 65 | 68 | 0.1 | 10 | +0.099 | | | |
| 1N5270 | 91 | 1.4 | 400 | 2300 | 66 | 69 | 0.1 | 10 | +0.099 | | | |
| 1N5271 | 100 | 1.3 | 500 | 2600 | 72 | 76 | 0.1 | 10 | +0.110 | | | |
| 1N5272 | 110 | 1.1 | 750 | 3000 | 80 | 84 | 0.1 | 10 | +0.110 | | | |
| 1N5273 | 120 | 1.0 | 900 | 4000 | 86 | 91 | 0.1 | 10 | +0.110 | | | |
| 1N5274 | 130 | 0.95 | 1100 | 4500 | 94 | 99 | 0.1 | 10 | +0.110 | | | |
| 1N5275 | 140 | 0.90 | 1300 | 4500 | 101 | 106 | 0.1 | 10 | +0.110 | | | |
| 1N5276 | 150 | 0.85 | 1500 | 5000 | 108 | 114 | 0.1 | 10 | +0.110 | | | |
| 1N5277 | 160 | 0.80 | 1700 | 5500 | 116 | 122 | 0.1 | 10 | +0.110 | | | |
| 1N5278 | 170 | 0.74 | 1900 | 5500 | 123 | 129 | 0.1 | 10 | +0.110 | | | |
| 1N5279 | 180 | 0.68 | 2200 | 6000 | 130 | 137 | 0.1 | 10 | +0.110 | | | |
| 1N5280 | 190 | 0.66 | 2400 | 6500 | 137 | 144 | 0.1 | 10 | +0.110 | | | |
| 1N5281 | 200 | 0.65 | 2500 | 7000 | 144 | 152 | 0.1 | 10 | +0.110 | | | |

- FEATURES:**
- Zener Voltage: 2.4 to 200 volts
 - Hermetically sealed DO-35.

- MAXIMUM RATINGS:**
- Junction Temperature: -65°C to +200°C
 - Storage temperature: -65°C to +200°C
 - DC Power Dissipation: 500 mW at $T_A = 75^\circ\text{C}$
 - Derate above 75°C: 4.0 mW/°C
 - Forward Voltage @ 200 mA: 1.1 volts max.

Standard (B Suffix) Voltage Tolerance is ±5%.
 Suffix A = ±10%
 Suffix C = ±2%
 Suffix D = ±1%