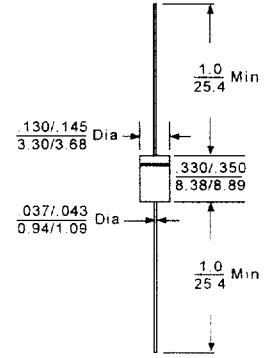


ZENER DIODES, 5 WATTS, PLASTIC PACKAGE

| JEDEC Part Number | Nominal Zener Voltage at I_z , V_z (V) | Zener Test Current I_z (mA) | Suffix A&B | | Suffix A,B,C | | Maximum Reverse Current at $T_j=25^\circ\text{C}$ | | | Max Voltage Regulation $\Delta V/V$ | Max Zener Current I_{z0} (mA) | Max Surge Current I_{zsm} (mA) | Package Quantity Bulk/Reel | Outline Inches/millimeters |
|-------------------|--------------------------------------------|-------------------------------|-----------------------------------------------------|-------------------------------------------------------------|-------------------------|---------|---------------------------------------------------|------|------|-------------------------------------|---------------------------------|----------------------------------|----------------------------|----------------------------|
| | | | Maximum Zener Impedance at I_z (mA), Z_z (Ohms) | Maximum Knee Impedance at $I_z=1.0\text{mA}$, Z_k (Ohms) | Maximum Reverse Current | | | | | | | | | |
| | | | | | Non S, A | B, C, D | I_r (μA) | | | | | | | |
| 1N5333B | 3.3 | 380 | 3.0 | 400 | 1.0 | 1.0 | 500 | 0.85 | 1440 | 20.0 | 100/ 1,000 | | | |
| 1N5334B | 3.6 | 350 | 2.5 | 500 | 1.0 | 1.0 | 150 | 0.80 | 1320 | 18.7 | | | | |
| 1N5335B | 3.9 | 320 | 2.0 | 500 | 1.0 | 1.0 | 50 | 0.54 | 1220 | 17.6 | | | | |
| 1N5336B | 4.3 | 290 | 2.0 | 500 | 1.0 | 1.0 | 10 | 0.49 | 1100 | 16.4 | | | | |
| 1N5337B | 4.7 | 260 | 2.0 | 450 | 1.0 | 1.0 | 5.0 | 0.44 | 1010 | 15.3 | | | | |
| 1N5338B | 5.1 | 240 | 1.5 | 400 | 1.0 | 1.0 | 1.0 | 0.39 | 930 | 14.4 | | | | |
| 1N5339B | 5.6 | 220 | 1.0 | 400 | 2.0 | 2.0 | 1.0 | 0.25 | 865 | 13.4 | | | | |
| 1N5340B | 6.0 | 200 | 1.0 | 300 | 3.0 | 3.0 | 1.0 | 0.19 | 790 | 12.7 | | | | |
| 1N5341B | 6.2 | 200 | 1.0 | 200 | 3.0 | 3.0 | 1.0 | 0.10 | 765 | 12.4 | | | | |
| 1N5342B | 6.8 | 175 | 1.0 | 200 | 4.9 | 5.2 | 10 | 0.15 | 700 | 11.5 | | | | |
| 1N5343B | 7.5 | 175 | 1.5 | 200 | 5.4 | 5.7 | 10 | 0.15 | 630 | 10.7 | | | | |
| 1N5344B | 8.2 | 150 | 1.5 | 200 | 5.9 | 6.2 | 10 | 0.20 | 580 | 10.0 | | | | |
| 1N5345B | 8.7 | 150 | 2.0 | 200 | 6.3 | 6.6 | 10 | 0.20 | 545 | 9.5 | | | | |
| 1N5346B | 9.1 | 150 | 2.0 | 150 | 6.6 | 6.9 | 7.5 | 0.22 | 520 | 9.2 | | | | |
| 1N5347B | 10 | 125 | 2.0 | 125 | 7.2 | 7.6 | 5.0 | 0.22 | 475 | 8.6 | | | | |
| 1N5348B | 11 | 125 | 2.5 | 125 | 8.0 | 8.4 | 5.0 | 0.25 | 430 | 8.0 | | | | |
| 1N5349B | 12 | 100 | 2.5 | 125 | 8.6 | 9.1 | 2.0 | 0.25 | 395 | 7.5 | | | | |
| 1N5350B | 13 | 100 | 2.5 | 100 | 9.4 | 9.9 | 1.0 | 0.25 | 365 | 7.0 | | | | |
| 1N5351B | 14 | 100 | 2.5 | 75 | 10.1 | 10.6 | 1.0 | 0.25 | 340 | 6.7 | | | | |
| 1N5352B | 15 | 75 | 2.5 | 75 | 10.8 | 11.5 | 1.0 | 0.25 | 315 | 6.3 | | | | |
| 1N5353B | 16 | 75 | 2.5 | 75 | 11.5 | 12.2 | 1.0 | 0.30 | 295 | 6.0 | | | | |
| 1N5354B | 17 | 70 | 2.5 | 75 | 12.2 | 12.9 | 0.5 | 0.35 | 280 | 5.8 | | | | |
| 1N5355B | 18 | 70 | 2.5 | 75 | 13.0 | 13.7 | 0.5 | 0.40 | 264 | 5.5 | | | | |
| 1N5356B | 19 | 70 | 3.0 | 75 | 13.7 | 14.4 | 0.5 | 0.40 | 250 | 5.3 | | | | |
| 1N5357B | 20 | 65 | 3.0 | 75 | 14.4 | 15.2 | 0.5 | 0.40 | 237 | 5.1 | | | | |
| 1N5358B | 22 | 50 | 3.5 | 75 | 15.8 | 16.7 | 0.5 | 0.45 | 216 | 4.7 | | | | |
| 1N5359B | 24 | 50 | 3.5 | 100 | 17.3 | 18.2 | 0.5 | 0.55 | 196 | 4.4 | | | | |
| 1N5360B | 25 | 50 | 4.0 | 110 | 18.0 | 19.0 | 0.5 | 0.55 | 190 | 4.3 | | | | |
| 1N5361B | 27 | 50 | 5.0 | 120 | 19.4 | 20.6 | 0.5 | 0.60 | 176 | 4.1 | | | | |
| 1N5362B | 28 | 50 | 6.0 | 130 | 20.1 | 21.2 | 0.5 | 0.60 | 170 | 3.9 | | | | |
| 1N5363B | 30 | 40 | 8.0 | 140 | 21.6 | 22.8 | 0.5 | 0.60 | 158 | 3.7 | | | | |
| 1N5364B | 33 | 40 | 10 | 150 | 23.8 | 25.1 | 0.5 | 0.60 | 144 | 3.5 | | | | |
| 1N5365B | 36 | 30 | 11 | 160 | 25.9 | 27.4 | 0.5 | 0.65 | 132 | 3.3 | | | | |
| 1N5366B | 39 | 30 | 14 | 170 | 28.1 | 29.7 | 0.5 | 0.65 | 122 | 3.1 | | | | |
| 1N5367B | 43 | 30 | 20 | 190 | 31.0 | 32.7 | 0.5 | 0.70 | 110 | 2.8 | | | | |
| 1N5368B | 47 | 25 | 25 | 210 | 33.8 | 35.8 | 0.5 | 0.80 | 100 | 2.7 | | | | |
| 1N5369B | 51 | 25 | 27 | 230 | 36.7 | 38.8 | 0.5 | 0.90 | 93 | 2.5 | | | | |
| 1N5370B | 56 | 20 | 35 | 280 | 40.3 | 42.6 | 0.5 | 1.00 | 86 | 2.3 | | | | |
| 1N5371B | 60 | 20 | 40 | 350 | 43.0 | 45.5 | 0.5 | 1.20 | 79 | 2.2 | | | | |
| 1N5372B | 62 | 20 | 42 | 400 | 44.6 | 47.1 | 0.5 | 1.35 | 76 | 2.1 | | | | |
| 1N5373B | 68 | 20 | 44 | 500 | 49.0 | 51.7 | 0.5 | 1.50 | 70 | 2.0 | | | | |
| 1N5374B | 75 | 20 | 45 | 620 | 54.0 | 56.0 | 0.5 | 1.60 | 63 | 1/9 | | | | |
| 1N5375B | 82 | 15 | 65 | 720 | 59.0 | 62.2 | 0.5 | 1.80 | 58 | 1.8 | | | | |
| 1N5376B | 87 | 15 | 75 | 760 | 63.0 | 66.0 | 0.5 | 2.00 | 54.5 | 1.7 | | | | |
| 1N5377B | 91 | 15 | 75 | 760 | 63.5 | 69.2 | 0.5 | 2.20 | 52.5 | 1.6 | | | | |
| 1N5378B | 100 | 12 | 90 | 800 | 72.0 | 76.0 | 0.5 | 2.30 | 47.5 | 1.5 | | | | |
| 1N5379B | 110 | 12 | 125 | 1000 | 79.2 | 83.6 | 0.5 | 2.50 | 43.0 | 1.4 | | | | |
| 1N5380B | 120 | 10 | 170 | 1150 | 84.6 | 91.2 | 0.5 | 2.50 | 39.5 | 1.3 | | | | |
| 1N5381B | 130 | 10 | 180 | 1250 | 93.6 | 98.8 | 0.5 | 2.50 | 36.6 | 1.2 | | | | |
| 1N5382B | 140 | 8 | 250 | 1500 | 101 | 106 | 0.5 | 2.50 | 34.0 | 1.2 | | | | |
| 1N5383B | 150 | 8 | 330 | 1500 | 108 | 114 | 0.5 | 3.00 | 31.6 | 1.1 | | | | |
| 1N5384B | 160 | 8 | 350 | 1650 | 115 | 122 | 0.5 | 3.00 | 29.4 | 1.1 | | | | |
| 1N5385B | 170 | 8 | 360 | 1750 | 122 | 129 | 0.5 | 3.00 | 28.0 | 1.0 | | | | |
| 1N5386B | 180 | 5 | 430 | 1750 | 130 | 137 | 0.5 | 4.00 | 26.4 | 1.0 | | | | |
| 1N5387B | 190 | 5 | 450 | 1850 | 137 | 144 | 0.5 | 5.00 | 25.0 | 0.9 | | | | |
| 1N5388B | 200 | 5 | 480 | 1850 | 144 | 152 | 0.5 | 5.00 | 23.6 | 0.9 | | | | |



DO-201AE

- FEATURES:**
- Zener Voltage: 2.4 to 200 volts
 - Void free, transfer molded DO-201AE package

- MAXIMUM RATINGS:**
- Junction Temperature: -65°C to $+200^\circ\text{C}$
 - Storage temperature: -65°C to $+200^\circ\text{C}$
 - DC Power Dissipation: 5.0 watts at $T_j=75^\circ\text{C}$
 - Derate above 75°C : 40 mW/ $^\circ\text{C}$
 - Forward Voltage @ 1.0 amps 1.2 volts max.

Standard (B Suffix) Voltage Tolerance is $\pm 5\%$.
 No Suffix = $\pm 20\%$
 Suffix A = $\pm 10\%$
 Suffix C = $\pm 2\%$
 Suffix D = $\pm 1\%$