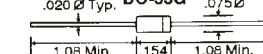


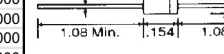
**400mW GLASS BODY ZENER DIODE**

Operating Temperature: -65°C to 150°C

| RF Part Number | Cross Reference | Nominal Zener            | Test Current         | Max Zener Impedance          | Max Reverse Leakage<br>V <sub>R</sub> =1V |                       | Max DC Zener         | Max Temperature | Package    | Outline<br>(Max in inches)                                                          |
|----------------|-----------------|--------------------------|----------------------|------------------------------|-------------------------------------------|-----------------------|----------------------|-----------------|------------|-------------------------------------------------------------------------------------|
|                |                 | Voltage @I <sub>ZT</sub> |                      | @I <sub>ZT</sub>             | T <sub>A</sub> =25°C                      | T <sub>A</sub> =150°C | Current              | Coefficient     |            |                                                                                     |
|                |                 | V <sub>Z</sub> (V)       | I <sub>ZT</sub> (mA) | Z <sub>ZT</sub> ( $\Omega$ ) | I <sub>R</sub> (A)                        | I <sub>R</sub> (A)    | I <sub>ZM</sub> (mA) | v <sub>Z</sub>  |            |                                                                                     |
| 1N746A         | 1N5226B         | 3.3                      | 20                   | 28                           | 10.0                                      | 30                    | 110                  | -0.07           | 1000/10000 |  |
| 1N747A         | 1N5227B         | 3.6                      | 20                   | 24                           | 10.0                                      | 30                    | 100                  | -0.065          | 1000/10000 |                                                                                     |
| 1N748A         | 1N5228B         | 3.9                      | 20                   | 23                           | 10.0                                      | 30                    | 95                   | -0.06           | 1000/10000 |                                                                                     |
| 1N749A         | 1N5229B         | 4.3                      | 20                   | 22                           | 2.0                                       | 30                    | 85                   | -0.055          | 1000/10000 |                                                                                     |
| 1N750A         | 1N5230B         | 4.7                      | 20                   | 19                           | 2.0                                       | 30                    | 75                   | -0.03           | 1000/10000 |                                                                                     |
| 1N751A         | 1N5231B         | 5.1                      | 20                   | 17                           | 1.0                                       | 20                    | 70                   | 0.03            | 1000/10000 |                                                                                     |
| 1N752A         | 1N5232B         | 5.6                      | 20                   | 11                           | 1.0                                       | 20                    | 65                   | 0.038           | 1000/10000 |                                                                                     |
| 1N753A         | 1N5234B         | 6.2                      | 20                   | 7                            | 0.1                                       | 20                    | 65                   | 0.045           | 1000/10000 |                                                                                     |
| 1N754A         | 1N5235B         | 6.8                      | 20                   | 5                            | 0.1                                       | 20                    | 55                   | 0.05            | 1000/10000 |                                                                                     |
| 1N755A         | 1N5236B         | 7.5                      | 20                   | 6                            | 0.1                                       | 20                    | 50                   | 0.058           | 1000/10000 |                                                                                     |
| 1N756A         | 1N5237B         | 8.2                      | 20                   | 8                            | 0.1                                       | 20                    | 45                   | 0.062           | 1000/10000 |                                                                                     |
| 1N757A         | 1N5239B         | 9.1                      | 20                   | 10                           | 0.1                                       | 20                    | 40                   | 0.068           | 1000/10000 |                                                                                     |
| 1N758A         | 1N5240B         | 10.0                     | 20                   | 17                           | 0.1                                       | 20                    | 35                   | 0.075           | 1000/10000 |                                                                                     |
| 1N759A         | 1N5242B         | 12.0                     | 20                   | 30                           | 0.1                                       | 20                    | 30                   | 0.077           | 1000/10000 |                                                                                     |

**400mW GLASS BODY ZENER DIODE**

Operating Temperature: -65°C to 150°C

| DO-35G         |                 |                                        |                      |                                      |                                      |                      |                             |                                          |                    |                                        |            | Operating Temperature: -55°C to +150°C                                              | Outline<br>(Max in inches) |
|----------------|-----------------|----------------------------------------|----------------------|--------------------------------------|--------------------------------------|----------------------|-----------------------------|------------------------------------------|--------------------|----------------------------------------|------------|-------------------------------------------------------------------------------------|----------------------------|
| RF Part Number | Cross Reference | Nominal Zener Voltage @I <sub>ZT</sub> | Test Current         | Max Zener Impedance @I <sub>ZT</sub> | Max Zener Impedance @I <sub>ZT</sub> | Test Current         | Max Temperature Coefficient | Max Reverse Lkg Current @ V <sub>R</sub> | Test Voltage       | Max Zener Current I <sub>ZM</sub> at C | Package    |                                                                                     |                            |
|                |                 | V <sub>Z</sub> (V)                     | I <sub>ZT</sub> (mA) | Z <sub>KT</sub> ( $\Omega$ )         | Z <sub>KK</sub> ( $\Omega$ )         | I <sub>ZK</sub> (mA) | v <sub>2</sub>              | I <sub>R</sub> (A)                       | V <sub>R</sub> (V) | (V)                                    | Bulk/Reel  |                                                                                     |                            |
| 1N964B         | 1N5243B         | 13                                     | 9.5                  | 13                                   | 700                                  | 0.25                 | 0.079                       | 5                                        | 9.9                | 24                                     | 1000/10000 |  |                            |
| 1N965B         | 1N5245B         | 15                                     | 8.5                  | 16                                   | 700                                  | 0.25                 | 0.082                       | 5                                        | 11.4               | 21                                     | 1000/10000 |                                                                                     |                            |
| 1N966B         | 1N5246B         | 16                                     | 7.8                  | 17                                   | 700                                  | 0.25                 | 0.083                       | 5                                        | 12.2               | 19                                     | 1000/10000 |                                                                                     |                            |
| 1N967B         | 1N5248B         | 18                                     | 7                    | 21                                   | 750                                  | 0.25                 | 0.085                       | 5                                        | 13.7               | 17                                     | 1000/10000 |                                                                                     |                            |
| 1N968B         | 1N5250B         | 20                                     | 6.2                  | 25                                   | 750                                  | 0.25                 | 0.086                       | 5                                        | 15.2               | 15                                     | 1000/10000 |                                                                                     |                            |
| 1N969B         | 1N5251B         | 22                                     | 5.6                  | 29                                   | 750                                  | 0.25                 | 0.087                       | 5                                        | 16.7               | 14                                     | 1000/10000 |                                                                                     |                            |
| 1N970B         | 1N5252B         | 24                                     | 5.2                  | 33                                   | 750                                  | 0.25                 | 0.088                       | 5                                        | 18.2               | 13                                     | 1000/10000 |                                                                                     |                            |
| 1N971B         | 1N5254B         | 27                                     | 4.6                  | 41                                   | 750                                  | 0.25                 | 0.09                        | 5                                        | 20.6               | 11                                     | 1000/10000 |                                                                                     |                            |
| 1N972B         | 1N5256B         | 30                                     | 4.2                  | 49                                   | 1000                                 | 0.25                 | 0.091                       | 5                                        | 22.8               | 10                                     | 1000/10000 |                                                                                     |                            |
| 1N973B         | 1N5257B         | 33                                     | 3.8                  | 58                                   | 1000                                 | 0.25                 | 0.092                       | 5                                        | 25.1               | 9                                      | 1000/10000 |                                                                                     |                            |
| 1N974B         | 1N5258B         | 36                                     | 3.4                  | 70                                   | 1000                                 | 0.25                 | 0.093                       | 5                                        | 27.4               |                                        | 1000/10000 |                                                                                     |                            |
| 1N975B         | 1N5259B         | 39                                     | 3.2                  | 80                                   | 1000                                 | 0.25                 | 0.094                       | 5                                        | 29.7               |                                        | 1000/10000 |                                                                                     |                            |
| 1N976B         | 1N5260B         | 43                                     | 3                    | 93                                   | 1500                                 | 0.25                 | 0.095                       | 5                                        | 32.7               |                                        | 1000/10000 |                                                                                     |                            |
| 1N977B         | 1N5261B         | 47                                     | 2.7                  | 105                                  | 1500                                 | 0.25                 | 0.095                       | 5                                        | 35.8               |                                        | 1000/10000 |                                                                                     |                            |
| 1N978B         | 1N5262B         | 51                                     | 2.5                  | 125                                  | 1500                                 | 0.25                 | 0.096                       | 5                                        | 38.8               |                                        | 1000/10000 |                                                                                     |                            |

**500mW GLASS BODY ZENER DIODE**

Operating Temperature: -65°C to 150°C

| RF Part Number | Cross Reference | Nominal Zener Voltage @I <sub>ZT</sub> | Test Current         | Max Zener Impedance @I <sub>ZT</sub> | Max Zener Impedance @I <sub>ZT</sub> | Max Zener Voltage Temp. Coefficient | Max Reverse Lkg Current @ V <sub>R</sub> | Test Voltage       | Max Zener Current I <sub>ZM</sub> at C | Package    | Outline (Max in inches)                                                               |
|----------------|-----------------|----------------------------------------|----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------------------------|--------------------|----------------------------------------|------------|---------------------------------------------------------------------------------------|
|                |                 | V <sub>Z</sub> (V)                     | I <sub>ZT</sub> (mA) | Z <sub>ZT</sub> ( $\Omega$ )         | Z <sub>ZK</sub> ( $\Omega$ )         | v <sub>Z</sub> (%/°C)               | I <sub>R</sub> (A)                       | V <sub>R</sub> (V) | I <sub>Z</sub> (V)                     | Bulk/Reel  |                                                                                       |
| 1N5221B        |                 | 2.4                                    | 20                   | 30                                   | 1200                                 | -0.085                              | 100.0                                    | 1.0                | 191                                    | 1000/10000 |  |
| 1N5222B        |                 | 2.5                                    | 20                   | 30                                   | 1250                                 | -0.085                              | 100.0                                    | 1.0                | 182                                    | 1000/10000 |                                                                                       |
| 1N5223B        |                 | 2.7                                    | 20                   | 30                                   | 1300                                 | -0.080                              | 75.0                                     | 1.0                | 168                                    | 1000/10000 |                                                                                       |
| 1N5224B        |                 | 2.8                                    | 20                   | 30                                   | 1400                                 | -0.080                              | 75.0                                     | 1.0                | 162                                    | 1000/10000 |                                                                                       |
| 1N5225B        |                 | 3.0                                    | 20                   | 29                                   | 1600                                 | -0.075                              | 50.0                                     | 1.0                | 151                                    | 1000/10000 |                                                                                       |
| 1N5226B        |                 | 3.3                                    | 20                   | 28                                   | 1600                                 | -0.070                              | 25.0                                     | 1.0                | 138                                    | 1000/10000 |                                                                                       |
| 1N5227B        |                 | 3.6                                    | 20                   | 24                                   | 1700                                 | -0.065                              | 15.0                                     | 1.0                | 126                                    | 1000/10000 |                                                                                       |
| 1N5228B        |                 | 3.9                                    | 20                   | 23                                   | 1900                                 | -0.060                              | 10.0                                     | 1.0                | 115                                    | 1000/10000 |                                                                                       |
| 1N5229B        |                 | 4.3                                    | 20                   | 22                                   | 2000                                 | -0.055                              | 5.0                                      | 1.0                | 106                                    | 1000/10000 |                                                                                       |
| 1N5230B        |                 | 4.7                                    | 20                   | 19                                   | 1900                                 | -0.030                              | 5.0                                      | 2.0                | 97                                     | 1000/10000 |                                                                                       |
| 1N5231B        |                 | 5.1                                    | 20                   | 17                                   | 1600                                 | +0.030                              | 5.0                                      | 2.0                | 89                                     | 1000/10000 |                                                                                       |
| 1N5232B        |                 | 5.6                                    | 20                   | 11                                   | 1600                                 | +0.038                              | 5.0                                      | 3.0                | 81                                     | 1000/10000 |                                                                                       |
| 1N5233B        |                 | 6.0                                    | 20                   | 7                                    | 1600                                 | +0.038                              | 5.0                                      | 3.5                | 76                                     | 1000/10000 |                                                                                       |
| 1N5234B        |                 | 6.2                                    | 20                   | 7                                    | 1000                                 | +0.045                              | 5.0                                      | 4.0                | 73                                     | 1000/10000 |                                                                                       |
| 1N5235B        |                 | 6.8                                    | 20                   | 5                                    | 750                                  | +0.050                              | 3.0                                      | 5.0                | 67                                     | 1000/10000 |                                                                                       |
| 1N5236B        |                 | 7.5                                    | 20                   | 6                                    | 500                                  | +0.058                              | 3.0                                      | 6.0                | 61                                     | 1000/10000 |                                                                                       |
| 1N5237B        |                 | 8.2                                    | 20                   | 8                                    | 500                                  | +0.062                              | 3.0                                      | 6.5                | 55                                     | 1000/10000 |                                                                                       |
| 1N5238B        |                 | 8.7                                    | 20                   | 8                                    | 600                                  | +0.065                              | 3.0                                      | 6.5                | 52                                     | 1000/10000 |                                                                                       |
| 1N5239B        |                 | 9.1                                    | 20                   | 10                                   | 600                                  | +0.068                              | 3.0                                      | 7.0                | 50                                     | 1000/10000 |                                                                                       |
| 1N5240B        |                 | 10.0                                   | 20                   | 17                                   | 600                                  | +0.075                              | 3.0                                      | 8.0                | 45                                     | 1000/10000 |                                                                                       |
| 1N5241B        |                 | 11.0                                   | 20                   | 22                                   | 600                                  | +0.076                              | 3.0                                      | 8.4                | 41                                     | 1000/10000 |                                                                                       |
| 1N5242B        |                 | 12                                     | 20                   | 30                                   | 600                                  | +0.077                              | 1.0                                      | 9.1                | 38                                     | 1000/10000 |                                                                                       |
| 1N5243B        |                 | 13                                     | 9.5                  | 13                                   | 600                                  | +0.079                              | 0.5                                      | 9.9                | 35                                     | 1000/10000 |                                                                                       |
| 1N5244B        |                 | 14                                     | 9                    | 15                                   | 600                                  | +0.082                              | 0.1                                      | 10                 | 32                                     | 1000/10000 |                                                                                       |
| 1N5245B        |                 | 15                                     | 8.5                  | 16                                   | 600                                  | +0.082                              | 0.1                                      | 11                 | 30                                     | 1000/10000 |                                                                                       |
| 1N5246B        |                 | 16                                     | 7.8                  | 17                                   | 600                                  | +0.083                              | 0.1                                      | 12                 | 28                                     | 1000/10000 |                                                                                       |
| 1N5247B        |                 | 17                                     | 7.4                  | 19                                   | 600                                  | +0.084                              | 0.1                                      | 13                 | 27                                     | 1000/10000 |                                                                                       |
| 1N5248B        |                 | 18                                     | 7                    | 21                                   | 600                                  | +0.085                              | 0.1                                      | 14                 | 25                                     | 1000/10000 |                                                                                       |
| 1N5249B        |                 | 19                                     | 6.6                  | 23                                   | 600                                  | +0.085                              | 0.1                                      | 14                 | 24                                     | 1000/10000 |                                                                                       |
| 1N5250B        |                 | 20                                     | 6.2                  | 25                                   | 600                                  | +0.086                              | 0.1                                      | 15                 | 23                                     | 1000/10000 |                                                                                       |
| 1N5251B        |                 | 22                                     | 5.6                  | 29                                   | 600                                  | +0.087                              | 0.1                                      | 17                 | 21.2                                   | 1000/10000 |                                                                                       |
| 1N5252B        |                 | 24                                     | 5.2                  | 33                                   | 600                                  | +0.088                              | 0.1                                      | 18                 | 19.1                                   | 1000/10000 |                                                                                       |
| 1N5253B        |                 | 25                                     | 5                    | 35                                   | 600                                  | +0.089                              | 0.1                                      | 19                 | 18.2                                   | 1000/10000 |                                                                                       |
| 1N5254B        |                 | 27                                     | 4.6                  | 41                                   | 600                                  | +0.090                              | 0.1                                      | 21                 | 16.8                                   | 1000/10000 |                                                                                       |
| 1N5255B        |                 | 28                                     | 4.5                  | 44                                   | 600                                  | +0.091                              | 0.1                                      | 21                 | 16.2                                   | 1000/10000 |                                                                                       |
| 1N5256B        |                 | 30                                     | 4.2                  | 49                                   | 600                                  | +0.091                              | 0.1                                      | 23                 | 15.1                                   | 1000/10000 |                                                                                       |
| 1N5257B        |                 | 33                                     | 3.8                  | 58                                   | 700                                  | +0.092                              | 0.1                                      | 25                 | 13.8                                   | 1000/10000 |                                                                                       |
| 1N5258B        |                 | 36                                     | 3.4                  | 70                                   | 700                                  | +0.093                              | 0.1                                      | 27                 | 12.6                                   | 1000/10000 |                                                                                       |
| 1N5259B        |                 | 39                                     | 3.2                  | 80                                   | 800                                  | +0.094                              | 0.1                                      | 30                 | 11.5                                   | 1000/10000 |                                                                                       |
| 1N5260B        |                 | 43                                     | 3                    | 93                                   | 900                                  | +0.095                              | 0.1                                      | 33                 | 10.6                                   | 1000/10000 |                                                                                       |
| 1N5261B        |                 | 47                                     | 2.7                  | 150                                  | 1000                                 | +0.095                              | 0.1                                      | 36                 | 9.7                                    | 1000/10000 |                                                                                       |
| 1N5262B        |                 | 51                                     | 2.5                  | 125                                  | 1100                                 | +0.096                              | 0.1                                      | 39                 | 8.9                                    | 1000/10000 |                                                                                       |
| 1N5263B        |                 | 56                                     | 2.2                  | 150                                  | 1300                                 | +0.096                              | 0.1                                      | 43                 | 8.1                                    | 1000/10000 |                                                                                       |