

# GERMANIUM DIODES

## Gold Bonded Germanium Diodes in DO-7 Package



| Type     | Peak Inverse Voltage (MIN.) (PIV)<br>Volts | Maximum Forward Voltage Drop |                        | Maximum Reverse leakage current |                           | Maximum Reverse Recovery<br>(t <sub>r</sub> )<br>nS |
|----------|--|------------------------------|------------------------|---------------------------------|---------------------------|---|
|          |  | (V <sub>F</sub> )<br>Volts   | @ I <sub>F</sub><br>mA | (I <sub>R</sub> )<br>μA         | @ V <sub>R</sub><br>Volts |   |
| AA113    | 65   | 1.1                          | 10                     | 180                             | 60                        | -   |
| AA117    | 90   | 0.18                         | 0.1                    | 280                             | 90                        | -   |
| AA118    | 90   | 1.0                          | 5                      | 80                              | 90                        | -   |
| AA119    | 45   | 1.5                          | 10                     | 2.8                             | 3                         | -   |
| AA138    | 25   | 1.5                          | 10                     | 2                               | 25                        | -   |
| AA143    | 30   | 0.5                          | 15                     | 20                              | 20                        | 70  |
| AA144    | 100  | 1.0                          | 5                      | 200                             | 75                        | -   |
| AAZ15    | 100  | 0.45                         | 10                     | 100                             | 1                         | 350   |
| AAZ17    | 75   | 0.45                         | 10                     | 300                             | 1                         | 350   |
| AAZ18    | 40   | 0.75                         | 200                    | 40                              | 1                         | -   |
| OA47     | 25   | 0.45                         | 10                     | 100                             | 25                        | 70  |
| OA79     | 40   | 2.2                          | 10                     | 100                             | 36                        | -   |
| OA90 *   | 30   | 1.0                          | 10                     | 20                              | 10                        | -   |
| OA91 *   | 100  | 1.0                          | 10                     | 11                              | 10                        | -   |
| OA95 *   | 100  | 1.0                          | 10                     | 7                               | 10                        | -   |
| OA99 *   | 45   | 1.0                          | 100                    | 18                              | 10                        | -   |
| 1N34A    | 60   | 1.0                          | 5                      | 30                              | 30                        | -   |
| 1N38A    | 100  | 1.0                          | 40                     | 50                              | 50                        | -   |
| 1N60A    | 40   | 1.0                          | 4                      | 60                              | 10                        | -   |
| 1N100A   | 80   | 1.0                          | 40                     | 50                              | 50                        | -   |
| 1N270 ✓  | 100  | 1.0                          | 200                    | 100                             | 50                        | -   |
| 1N276 ✓  | 100  | 1.0                          | 40                     | 100                             | 50                        | 300   |
| 1N277 ✓  | 125  | 1.0                          | 100                    | 250                             | 50                        | -   |
| 1N695    | 20   | 1.0                          | 100                    | 2                               | 10                        | 300. typ.   |
| 1N695A   | 25   | 0.5                          | 10                     | 2                               | 10                        | 300   |
| 1N933    | 100  | 1.0                          | 14                     | 10                              | 10                        | 400   |
| 1N949    | 50   | 0.39                         | 10                     | 10                              | 10                        | -   |
| 1N3287 ✓ | 6  | 0.3                          | 1                      | 15                              | 2                         | -   |
| 1N3592   | 25   | 0.5                          | 15                     | 4                               | 4.5                       | 40  |
| 1N3666 ✓ | 80   | 1.0                          | 200                    | 10                              | 20                        | 300   |
| 1N3773   | 25   | 0.5                          | 15                     | 4                               | 3                         | 40  |

Average power dissipation = 80 mW  
 Operating temperature = -65°C to 85°C

\* For matched pairs, use a 2- prefix. Pairs are grouped in 10 millivolt V<sub>F</sub> cells, measured at 1 mA I<sub>F</sub>.

✓ Mil-Approved Devices, See Page 5 for Level of Qual

## DO-7 Glass Package (nominal dimensions)

