

# Silicon Zener Diodes



Glass Axial Leaded

## Low Level, Very Low Voltage, Low Leakage

| Model           | Zener Voltage<br>V <sub>dc</sub>          | Dynamic Impedance<br>$\Omega$           |                                        | Reverse Current                         |                                   |
|-----------------|-------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------|
|                 |                                           |                                         |                                        | I <sub>r</sub><br>$\mu$ A <sub>dc</sub> | V <sub>r</sub><br>V <sub>dc</sub> |
|                 |                                           |                                         |                                        | MAX                                     |                                   |
| K120            | 1.2                                       | 20                                      | 125                                    | .05                                     | 0.4                               |
| K150            | 1.5                                       | 20                                      | 125                                    | .05                                     | 0.5                               |
| K180            | 1.8                                       | 20                                      | 125                                    | .05                                     | 0.6                               |
| K210            | 2.1                                       | 20                                      | 125                                    | .05                                     | 0.9                               |
| K240            | 2.4                                       | 20                                      | 125                                    | .05                                     | 1.2                               |
| K270            | 2.7                                       | 20                                      | 125                                    | .05                                     | 1.7                               |
| K300            | 3.0                                       | 20                                      | 125                                    | .05                                     | 1.9                               |
| K330            | 3.3                                       | 20                                      | 125                                    | .05                                     | 2.2                               |
| K360            | 3.6                                       | 20                                      | 125                                    | .05                                     | 2.5                               |
| K390            | 3.9                                       | 20                                      | 125                                    | .05                                     | 2.7                               |
| K430            | 4.3                                       | 25                                      | 135                                    | .05                                     | 3.1                               |
| K470            | 4.7                                       | 25                                      | 135                                    | .05                                     | 3.5                               |
| K510            | 5.1                                       | 25                                      | 135                                    | .05                                     | 3.8                               |
| Test Conditions | V <sub>z</sub> @ I <sub>z</sub> = 10 mA   | Z <sub>z</sub> @ I <sub>z</sub> = 10 mA | Z <sub>K</sub> @ I <sub>z</sub> = 1 mA | @25° C                                  |                                   |
| Maximum Rating  | Parameters                                |                                         | Value                                  | Rating                                  |                                   |
|                 | DC Power Dissipation                      |                                         | @ T <sub>a</sub> = 50° C               | 250 mW                                  |                                   |
|                 | Operating Temperature (T <sub>OPR</sub> ) |                                         | -65 to + 175° C                        |                                         |                                   |
|                 | Storage Temperature (T <sub>STG</sub> )   |                                         | -65 to + 200° C                        |                                         |                                   |
|                 | Voltage Tolerance:                        |                                         | Standard Device                        | +10%                                    |                                   |
|                 | Other package styles available            |                                         |                                        |                                         |                                   |