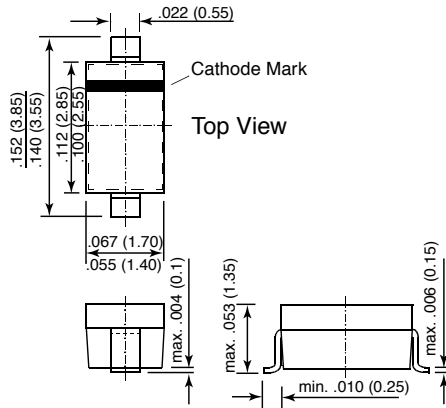


# 1N4150W

## SMALL SIGNAL DIODES

### SOD-123



Dimensions in inches and (millimeters)

### FEATURES

- ◆ Silicon Epitaxial Planar Diode
- ◆ For general purpose and switching.
- ◆ This diode is also available in other case styles including the DO-35 case with the type designation 1N4150 and the MiniMELF case with the type designation LL4150.



### MECHANICAL DATA

**Case:** SOD-123 Plastic Case

**Weight:** approx. 0.01 g

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

|                                                                                                 | SYMBOL    | VALUE              | UNIT |
|-------------------------------------------------------------------------------------------------|-----------|--------------------|------|
| Peak Reverse Voltage                                                                            | $V_{RM}$  | 50                 | V    |
| Maximum Average Rectified Current                                                               | $I_O$     | 200                | mA   |
| Maximum Power Dissipation at $T_{amb} = 25^\circ\text{C}$                                       | $P_{tot}$ | 410 <sup>(1)</sup> | mW   |
| Maximum Forward Voltage Drop at $I_F = 200\text{ mA}$                                           | $V_F$     | 1.0                | V    |
| Maximum Reverse Current at $V_R = 50\text{ V}$                                                  | $I_R$     | 100                | nA   |
| Maximum Reverse Recovery Time at $I_F = I_R = 10\text{ to }200\text{ mA}$ , to $0.1\text{ }I_F$ | $T_{rr}$  | 4.0                | ns   |
| Maximum Junction Temperature                                                                    | $T_j$     | 150                | °C   |
| Storage Temperature Range                                                                       | $T_s$     | -65 to +150        | °C   |

#### NOTES:

(1) Valid provided that electrodes are kept at ambient temperature