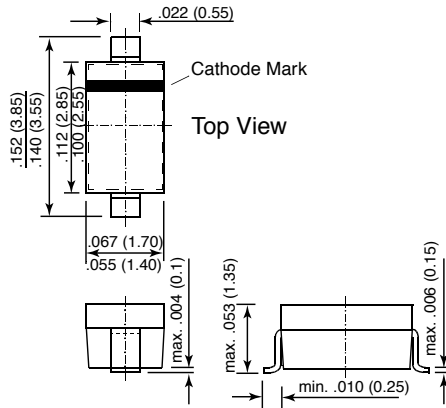


1N4150W

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 ⁽¹⁾	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 $0.1 I_F$	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