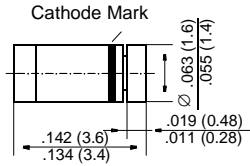


LL4150

Small Signal Diodes

MiniMELF



Dimensions in inches and (millimeters)

FEATURES

- ◆ Silicon Epitaxial Planar Diodes
- ◆ 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 SOD-123 case with the type designation 1N4150W.



MECHANICAL DATA

Case: MiniMELF Glass Case (SOD-80)

Weight: approx. 0.05 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_0	200	mA
Maximum Power Dissipation at $T_{amb} = 25\text{ °C}$	P_{tot}	500	mW
Maximum Junction Temperature	T_j	200	°C
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
Max. 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