



LL4150

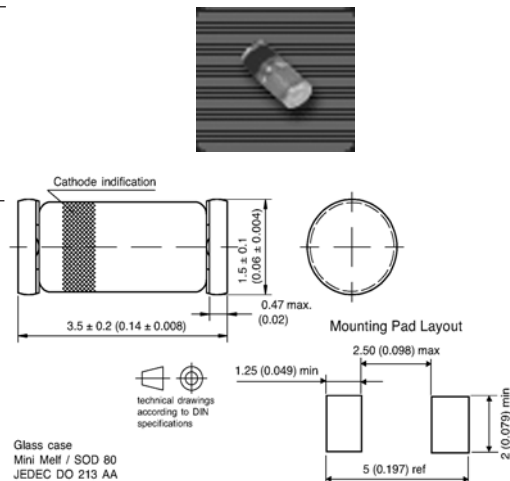
Small-Signal Diode
Fast Switching Diode

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.

Mechanical Data

- ◆ Case: MiniMELF Glass Case (SOD-80)
- ◆ Weight: approx. 0.05g
- ◆ Cathode Band Color: Black



Maximum Ratings and Thermal Characteristics

($T_A=25^\circ\text{C}$ unless otherwise noted.)

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	50	Volts
Maximum average rectified current	$I_{P(AV)}$	200	mA
Maximum power dissipation at $T_{amb}=25^\circ\text{C}$	P_{tot}	500	mW
Maximum junction temperature	T_J	175	$^\circ\text{C}$

Electrical Characteristics

($T_A=25^\circ\text{C}$ unless otherwise noted.)

Parameter	Symbol	Limit	Unit
Maximum forward voltage drop at $I_F=200\text{mA}$	V_F	1.15	Volts
Maximum reverse current at $V_R=50\text{V}$	I_R	100	nA
Maximum reverse recovery time at $I_F=I_R=10$ to 200mA , to $0.1I_F$	t_{rr}	4.0	nS