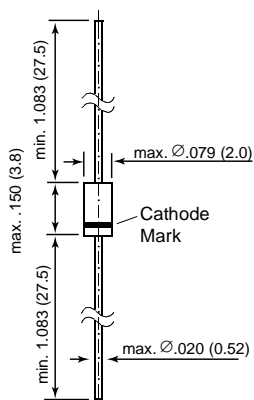


1N914

SMALL SIGNAL DIODE

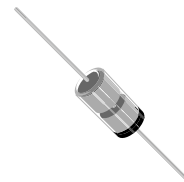
DO-35



Dimensions in inches and (millimeters)

FEATURES

- ◆ Silicon Epitaxial Planar Diode
- ◆ For general purpose and switching.



MECHANICAL DATA

Case: DO-35 Glass Case

Weight: approx. 0.13 g

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOL	VALUE	UNIT
Peak Reverse Voltage	V_{RM}	100	V
Maximum Average Rectified Current	I_o	75	mA
Maximum Power Dissipation at $T_{amb} = 25\text{ }^{\circ}\text{C}$	P_{tot}	500	mW
Maximum Junction Temperature	T_j	200	$^{\circ}\text{C}$
Maximum Forward Voltage Drop at $I_F = 10\text{ mA}$	V_F	1.0	V
Maximum Reverse Current at $V_R = 20\text{ V}$ $V_R = 75\text{ V}$	I_R	25 5.0	nA μA
Max. Reverse Recovery Time at $I_F = I_R = 10\text{ mA}$, $V_R = 6\text{ V}$, $R_L = 100\text{ }\Omega$, to $I_{rr} = 1\text{ mA}$	t_{rr}	4.0	ns
Maximum Capacitance at $V_R=0$, $f=1.0\text{ MHz}$	C_{tot}	4.0	pF