



1N914

Small-Signal Diode
Fast Switching Diode

Features

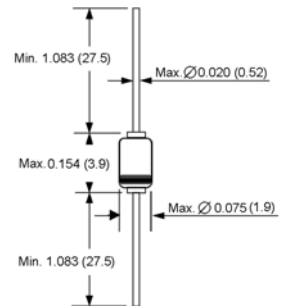
- ◆ Silicon Epitaxial Planar Diode
- ◆ For general purpose and switching

Mechanical Data

- ◆ Case: DO-34, DO-35 Glass Case
- ◆ Weight: approx. 0.13g

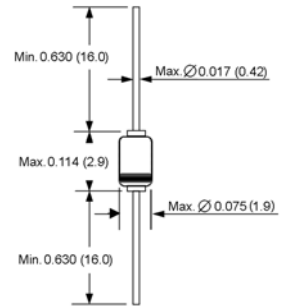


DO-204AH (DO-35 Glass)



Dimensions in inches and (millimeters)

DO-34 Glass



Dimensions in inches and (millimeters)

Maximum Ratings and Thermal Characteristics

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

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	100	Volts
Average rectified current	$I_{F(AV)}$	75	mA
Power dissipation at $T_{amb}=25^{\circ}\text{C}$	P_{tot}	500	mW
Junction temperature	T_J	175	$^{\circ}\text{C}$

Electrical Characteristics

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

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage drop	V_F	$I_F=10\text{mA}$	-	-	1.0	Volt
Reverse current	I_R	$V_R=20\text{V}$ $V_R=75\text{V}$	-	-	25 5.0	nA uA
Reverse recovery time	t_r	$I_F=I_R=10\text{mA}$, $V_R=6\text{V}$ $R_L=100\Omega$, to $I_R=1\text{mA}$	-	-	4.0	ns
Capacitance	C_{tot}	$V_R=0$, $f=1.0\text{MHz}$	-	-	4.0	pF