

**1N914**Small-Signal Diode  
Fast Switching Diode

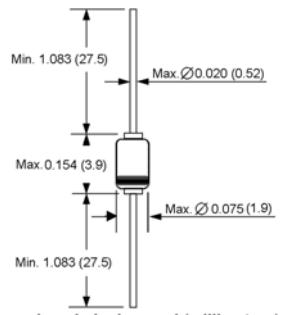
## Features

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

**DO-204AH (DO-35 Glass)**

## Mechanical Data

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



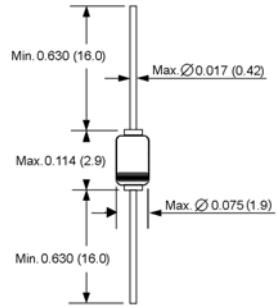
Dimensions in inches and (millimeters)

## DO-34 Glass

## Maximum Ratings and Thermal Characteristics

(T<sub>A</sub>=25°C unless otherwise noted.)

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V <sub>RM</sub>	100	Volts
Average rectified current	I <sub>F(AV)</sub>	75	mA
Power dissipation at T <sub>amb</sub> =25°C	P <sub>tot</sub>	500	mW
Junction temperature	T <sub>J</sub>	175	°C



Dimensions in inches and (millimeters)

## Electrical Characteristics

(T<sub>J</sub>=25°C unless otherwise noted.)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage drop	V <sub>F</sub>	I <sub>F</sub> =10mA	-	-	1.0	Volt
Reverse current	I <sub>R</sub>	V <sub>R</sub> =20V V <sub>R</sub> =75V	-	-	25 5.0	nA uA
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> =I <sub>R</sub> =10mA, V <sub>R</sub> =6V R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA	-	-	4.0	ns
Capacitance	C <sub>tot</sub>	V <sub>R</sub> =0, f=1.0MHz	-	-	4.0	pF