



1N914

Small-Signal Diode
Fast Switching Diode

Features

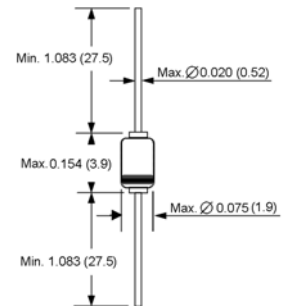
- ◆ Silicon Epitaxial Planar Diode
- ◆ For general purpose and switching

Mechanical Data

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

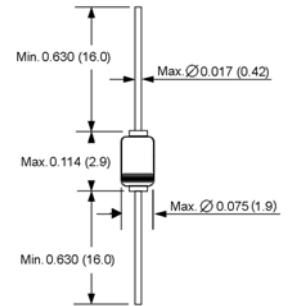


DO-204AH (DO-35 Glass)



Dimensions in inches and (millimeters)

DO-34 Glass



Dimensions in inches and (millimeters)

Maximum Ratings and Thermal Characteristics

(T_A=25°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°C	P _{tot}	500	mW
Junction temperature	T _J	175	°C

Electrical Characteristics

(T_J=25°C unless otherwise noted.)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage drop	V _F	I _F =10mA	-	-	1.0	Volt
Reverse current	I _R	V _R =20V V _R =75V	-	-	25 5.0	nA uA
Reverse recovery time	t _{rr}	I _F =I _R =10mA, V _R =6V R _L =100Ω, to I _F =1mA	-	-	4.0	ns
Capacitance	C _{ext}	V _R =0, f=1.0MHz	-	-	4.0	pF