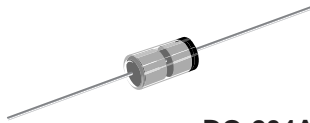
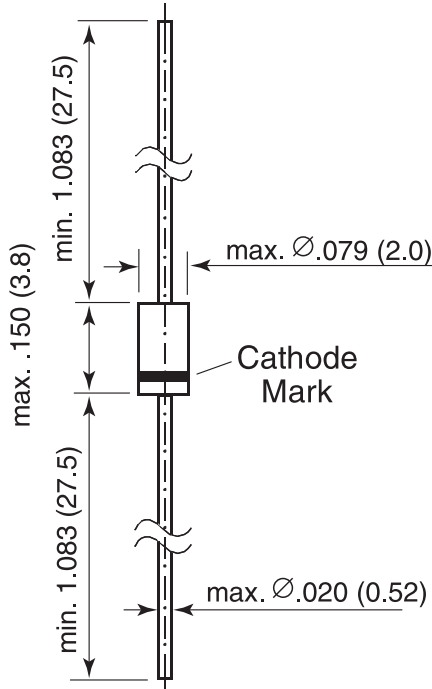


## Small-Signal Diode


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


Dimensions in inches and (millimeters)

### Features

- Silicon Epitaxial Planar Diode
- For general purpose and switching

### Mechanical Data

**Case:** DO-35 Glass Case

**Weight:** approx. 0.13g

**Packaging Codes/Options:**

- F2/10K per Ammo tape (52mm tape), 50K/box
- F3/10K per 13" reel (52mm tape), 50K/box

### Maximum Ratings and Thermal Characteristics ( $T_A = 25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Peak Reverse Voltage	$V_{RM}$	100	V
Average Rectified Current	$I_{F(AV)}$	75	mA
Power Dissipation at $T_{amb} = 25^\circ\text{C}$	$P_{tot}$	500	mW
Junction Temperature	$T_j$	200	$^\circ\text{C}$

### 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	V
Reverse Current	$I_R$	$V_R = 20\text{V}$	—	—	25	nA
		$V_R = 75\text{V}$	—	—	5.0	$\mu\text{A}$
Reverse Recovery Time	$t_{rr}$	$I_F = I_R = 10\text{mA}$ , $V_R = 6\text{V}$ $R_L = 100\Omega$ , to $I_{rr} = 1\text{mA}$	—	—	4.0	ns
Capacitance	$C_{tot}$	$V_R = 0$ , $f = 1.0\text{MHz}$	—	—	4.0	pF