

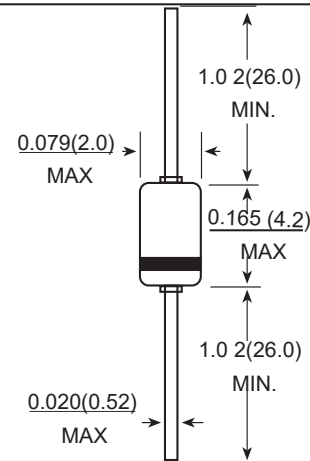
DO-35 Glass Switching Diode

Features

- Fast Switching Device (TRR <4.0 nS)
- Power Dissipation of 500mW
- High Stability and High Reliability
- Low reverse leakage

Mechanical Data

- Case: DO-35 Glass Case
- Polarity: Color band denotes cathode end
- Mounting Position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameters	Symbol	Value	Unit
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
Power Dissipation	P_d	500	mW
Operating junction temperature	T_j	175	°C
Storage temperature range	T_s	-65-+200	°C
Working Inverse Voltage	W_{IV}	75	V
Average Rectified Current	I_o	150	mA
Non-repetitive Peak Forward Current	I_{FM}	450	mA

@ $t < 1s$ and $T_j = 25^\circ C$

Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.

Electrical Specification ($T_A = 25^\circ C$ unless otherwise specified)

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
B_V	Breakdown Voltage	$I_R = 100\mu A$	100		V
		$I_R = 5\mu A$	75		
I_R	Reverse Leakage Current	$V_R = 20V$	---	25	nA
		$V_R = 75$	---	5	uA
V_F	Forward Voltage	1N4448/1N914B $I_F = 5mA$	0.62	0.72	V
		1N4148 $I_F = 10mA$	---	1	
		1N4448/1N914B $I_F = 100mA$	---	1	
TRR	Reverse Recovery Time	$I_F = 10mA, I_R = 1.0mA$ $R_L = 100\Omega$ $I_{RR} = 1mA$	---	4	nS
C	Capacitance	$V_R = 0V, f = 1MHz$	---	4	pF