

### Features

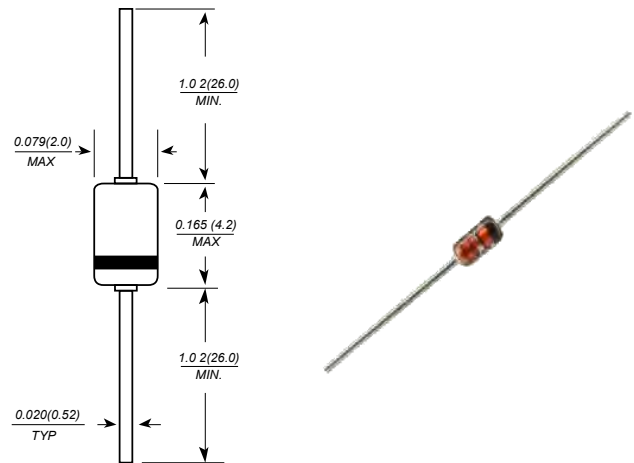
- Lower leakage current
- Flat junction capacitance
- High mechanical strength
- At least 1 million hours MTBF

### Mechanical Data

- Case: DO-35, glass case
- Polarity: Color band denotes cathode
- Weight: 0.004 ounces, 0.13 grams



### DO-35(GLASS)



Dimensions in millimeters

### Maximum Ratings and Electrical Characteristics @ T<sub>A</sub> = 25°C unless otherwise specified

Parameter		Symbols	Min.	Max.	Units	
Peak Inverse Voltage		PIV	**	110	Volts	
Breakdown Voltage @ I <sub>R</sub> = 1.0 mA		V <sub>BR</sub>	110		Volts	
Surge Current , t = 1 Second		I <sub>FSM</sub>		0.5	Amps	
Peak Operating Current		I <sub>OS</sub>		270	mA	
Average Rectified Forward Current		I <sub>O</sub>		75	mA	
Operating and Storage Temperatures		T <sub>J&amp;STG</sub>	-65	+90	°C	
Parameter	Test Conditions	Symbols	Min.	Typ.	Max.	Units
Forward Voltage Drop	I <sub>F</sub> = 100 mA	V <sub>F</sub>			1.00	Volts
Reverse Leakage	V <sub>R</sub> = 10 Volts, T <sub>amb</sub> = 75 °C	I <sub>R</sub>	**		75	µA
Reverse Leakage	V <sub>R</sub> = 50 Volts, T <sub>amb</sub> = 75 °C	I <sub>R</sub>		**	250	µA
Breakdown Voltage	I <sub>R</sub> = 1.0 mA	PIV	110			Volts
Junction Capacitance	f = 1MHz, V <sub>R</sub> = 0 volt	C <sub>J</sub>		0.8		pF