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**1N277**

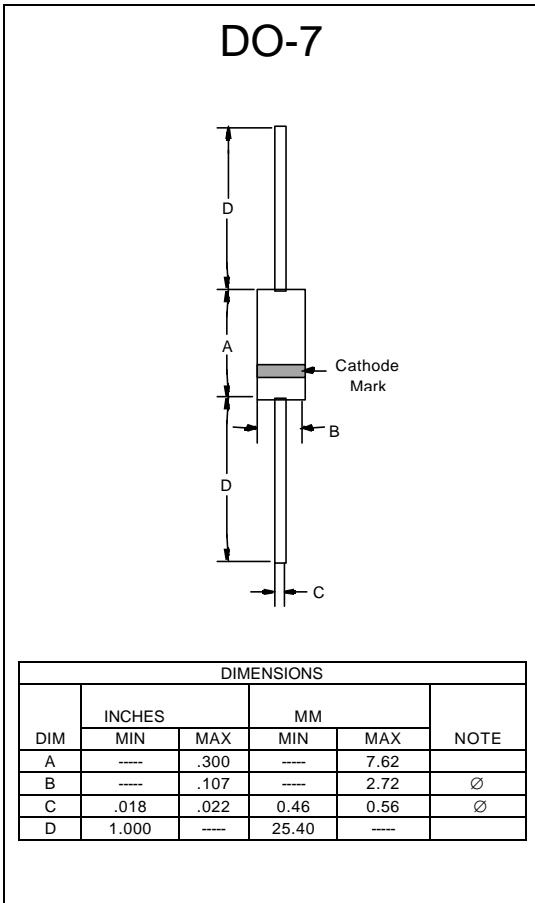
**Germanium Diode**  
**110 Volt**

### Features

- Low Leakage Current
- Flat Junction Capacitance
- High Mechanical Strength

### Maximum Ratings

- Operating Temperature: -65°C to +90°C
- Storage Temperature: -65°C to +90°C



### Electrical Characteristics @ 25°C Unless Otherwise Specified

Peak Inverse Voltage	PIV	110V	
Average Rectified Current	$I_O$	75mA	
Peak Operating Current	$I_{OS}$	270mA	
Peak Forward Surge Current	$I_{FSM}$	500mA	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	1.00V	$I_{FM} = 100mA$ ; $T_J = 25^\circ C^*$
Maximum Reverse Current	$I_R$	250 $\mu A$	$V_R = 50Volts$ $T_A = 75^\circ C$
Typical Junction Capacitance	$C_J$	0.8pF	Measured at 1.0MHz, $V_R=1V$

\*Pulse test: Pulse width 300  $\mu sec$ , Duty cycle 2%