



Micro Commercial Components
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1N277

Germanium Diode 110 Volt

Features

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

Maximum Ratings

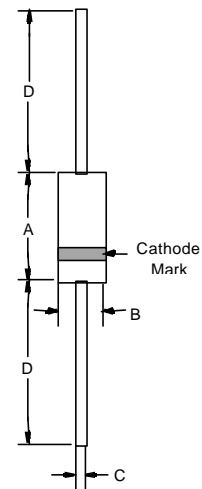
- Operating Temperature: -65°C to +90°C
- Storage Temperature: -65°C to +90°C

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 μA	$V_R = 50Volts$ $T_A = 75^\circ C$
Typical Junction Capacitance	C_J	0.8pF	Measured at 1.0MHz, $V_R=1V$

*Pulse test: Pulse width 300 μsec , Duty cycle 2%

DO-7



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	----	.300	----	7.62	
B	----	.107	----	2.72	∅
C	.018	.022	0.46	0.56	∅
D	1.000	----	25.40	----	