



Micro Commercial Components
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1N277

Germanium Diode 110 Volt

Features

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

Maximum Ratings

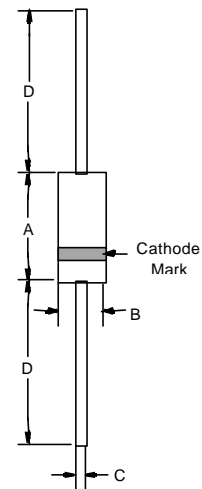
- Operating Temperature: -65°C to +90°C
- Storage Temperature: -65°C to +90°C

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 | ---- | |