

# 1N268

## Gold Bonded Germanium Diodes in DO-7 Package

### FEATURES

- Low forward voltage drop—low power consumption
- Thirty years of proven reliability—one million hours mean time between failures (MTBF)
- Very low noise level
- Metallurgically bonded

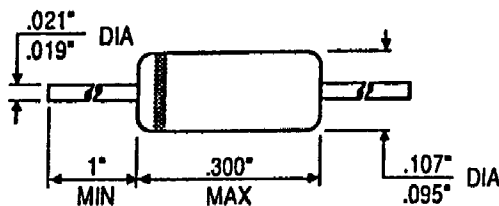
### ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

|                             |                  |
|-----------------------------|------------------|
| Peak Inverse Voltage        | 30 Volts         |
| Peak Forward Current        | 500 mA           |
| Operating Temperature Range | - 65 °C to 85 °C |
| Average Power Dissipation   | 80 mW            |

### ELECTRICAL CHARACTERISTICS

|                      | Symbol | Conditions | Min | Max | Unit    | T °C  |
|----------------------|--------|------------|-----|-----|---------|-------|
| Peak Inverse Voltage | PIV    | 1 mA       | 30  |     | V       | 25 °C |
| Reverse Current      | $I_r$  | 10 V       |     | 20  | $\mu$ A | 25 °C |
| Forward Voltage      | $V_f$  | 2.5 mA     |     | 1   | V       | 25 °C |

### MECHANICAL



Passes all mechanical and environmental requirements of MIL-S-19500, including shock and vibration.

