

## Germanium Glass Diode

### Features

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



DO-7

### Mechanical Data

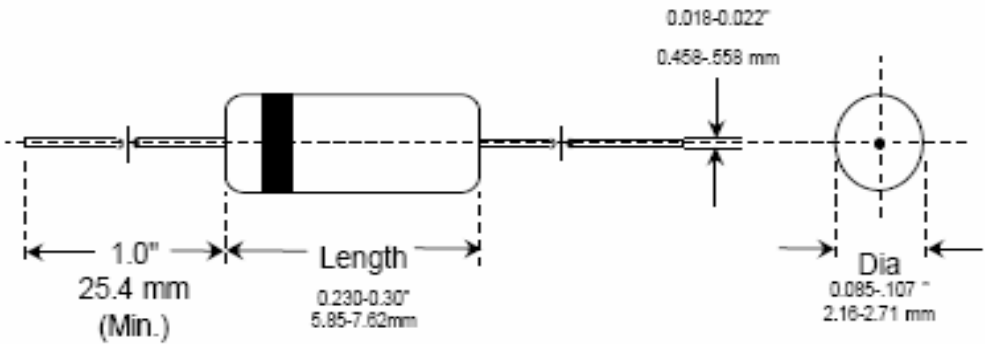
<b>Case:</b>	DO-7, molded glass
<b>Terminals:</b>	Plated axial lead, solderable per MIL-STD-202E, Method 208
<b>Polarity:</b>	Color band denotes cathode end
<b>Weight:</b>	0.2 gram

### Electrical Characteristics ( $T_A=25^{\circ}\text{C}$ unless noted otherwise)

Symbol	Description	1N34A	Unit	Conditions
<b>PIV</b>	Maximum Peak Reverse Voltage	65	V	$I_R=1.0\text{mA}$
<b>IFSM</b>	Peak Forward Surge Current	500	mA	$t=8.3\text{ms}$ , half sine
<b>V<sub>F</sub></b>	Maximum Instantaneous Forward Voltage	1.0	V	$I_F=5.0\text{mA}$
<b>I<sub>R</sub></b>	Maximum Reverse Leakage	30	$\mu\text{A}$	$V_R=10\text{V}$
		500		$V_R=50\text{V}$
<b>C<sub>J</sub></b>	Typical Junction Capacitance	0.8	pF	Measured at 1MHz, $V_r=0\text{V}$
<b>T<sub>J</sub></b>	Operating Temperature range	-65 to +75	$^{\circ}\text{C}$	
<b>T<sub>STG</sub></b>	Storage Temperature Range	-65 to +75	$^{\circ}\text{C}$	

\*Pulse test: Pulse width 300 usec, Duty cycle 2%

Dimensions in  $\frac{\text{inch}}{\text{mm}}$



DO-7 Glass Package

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