

Germanium Glass Diode

Features

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



DO-7

Mechanical Data

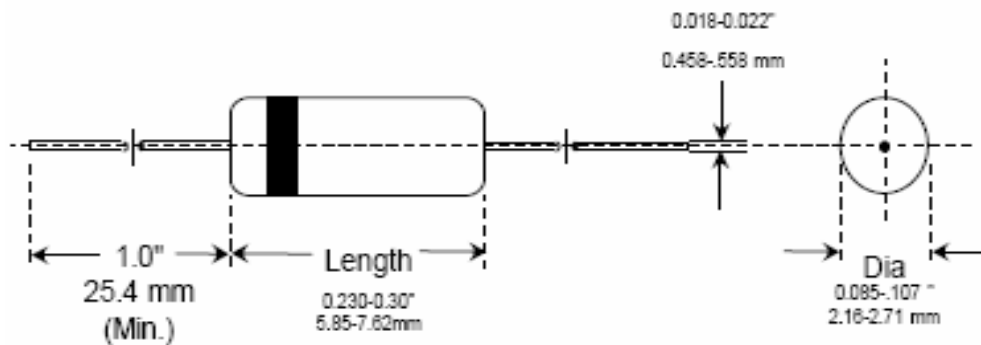
Case:	DO-7, molded glass
Terminals:	Plated axial lead, solderable per MIL-STD-202E, Method 208
Polarity:	Color band denotes cathode end
Weight:	0.2 gram

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

Symbol	Description	1N34A	Unit	Conditions
PIV	Maximum Peak Reverse Voltage	65	V	$I_R=1.0\text{mA}$
I_{FSM}	Peak Forward Surge Current	500	mA	$t=8.3\text{ms}$, half sine
V_F	Maximum Instantaneous Forward Voltage	1.0	V	$I_F=5.0\text{mA}$
I_R	Maximum Reverse Leakage	30	μA	$V_R=10\text{V}$
		500		$V_R=50\text{V}$
C_J	Typical Junction Capacitance	0.8	pF	Measured at 1MHz, $V_R=0\text{V}$
T_J	Operating Temperature range	-65 to +75	$^{\circ}\text{C}$	
T_{STG}	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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