

## DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N34A is a point contact Germanium Diode in a hermetically sealed glass case, designed for general purpose applications.

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

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Repetitive Reverse Voltage	$V_{RRM}$	75	V
Average Forward Current	$I_O$	50	mA
Peak Forward Current	$I_{FM}$	150	mA
Peak Forward Surge Current (1.0s)	$I_{FSM}$	500	mA
Operating and Storage Junction Temperature	$T_J, T_{stg}$	-50 TO +75	$^\circ\text{C}$

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

	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
$V_F$	$I_F=5.0\text{mA}$		1.0	Volts
$B_V R$	$I_R=1.0\text{mA}$	75		Volts
$I_R$	$V_R=10\text{V}$		30	$\mu\text{A}$
$I_R$	$V_R=50\text{V}$		500	$\mu\text{A}$