

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

1N34A

GERMANIUM DIODE

JEDEC DO-7 CASE

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
BVR	$I_R=1.0\text{mA}$	75		Volts
I_R	$V_R=10\text{V}$		30	μA
I_R	$V_R=50\text{V}$		500	μA