

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

1N87A

GERMANIUM DIODE

JEDEC DO-7 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N87A is a point contact Germanium Diode in a hermetically sealed glass case, designed for general purpose applications where a low forward voltage drop is required.

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

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Repetitive Reverse Voltage	V_{RRM}	23	V
Average Forward Current	I_0	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>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
V_F	$I_F=100\mu\text{A}$		0.25	V
BV_R	$I_R=1.0\text{mA}$	23		V
I_R	$V_R=1.5\text{V}$		10	μA