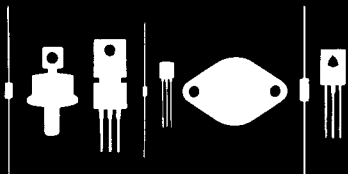


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145 Adams Avenue
Hauppauge, New York 11788



1N277

GERMANIUM DIODE

JEDEC DO-7 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N277 is a Gold Bonded 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}	110	V
Average Forward Current	I_O	100	mA
Peak Forward Current	I_{FM}	300	mA
Peak Forward Surge Current	I_{FSM}	1000	mA
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-50 TO +100	$^{\circ}\text{C}$

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	$I_F=100\text{mA}$		1.0	V
B_{VR}	$I_R=1.0\text{mA}$	110		V
I_R	$V_R=50\text{V}$		250	μA

**Central™
Semiconductor Corp.**

145 Adams Avenue
Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824
www.centrasemi.com