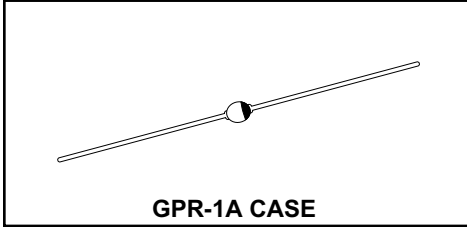


1N3611 1N3613  
 1N3612 1N3614  
 1N3957  
**GLASS PASSIVATED  
 GENERAL PURPOSE  
 SILICON RECTIFIERS**  
**1.0 AMP, 200 THRU 1000 VOLTS**



# Central<sup>TM</sup>

## Semiconductor Corp.

### DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1N3611 thru 1N3614, and 1N3957 are hermetically sealed, glass passivated, general purpose silicon rectifiers ideal for commercial, military, automotive and entertainment applications requiring high reliability and failure free performance.

### MARKING: FULL PART NUMBER

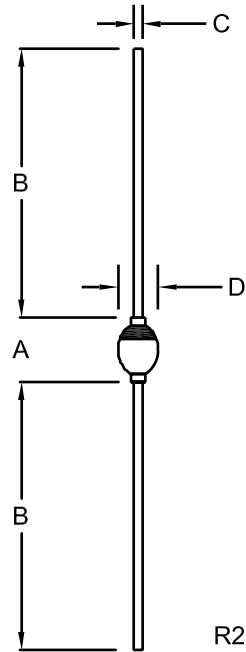
### MAXIMUM RATINGS: ( $T_A=25^\circ\text{C}$ unless otherwise noted)

	SYMBOL	1N3611	1N3612	1N3613	1N3614	1N3957	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	400	600	800	1000	V
DC Blocking Voltage	$V_R$	200	400	600	800	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	560	700	V
Average Forward Current ( $T_A=100^\circ\text{C}$ )	$I_O$			1.0			A
Peak Forward Surge Current ( $t_p=8.3\text{ms}$ )	$I_{FSM}$			50			A
Operating and Storage Junction Temperature	$T_J, T_{stg}$			-65 to +175			$^\circ\text{C}$

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

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
$I_R$	$V_R=\text{Rated } V_{RRM}$		5.0	$\mu\text{A}$
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=150^\circ\text{C}$		200	$\mu\text{A}$
$V_F$	$I_F=1.0\text{A}$		1.1	V
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$	25		pF
$t_{tr}$	$I_F=0.5\text{A}, I_R=1.0\text{A}, I_{rr}=0.25\text{A}$		2.0	$\mu\text{s}$

GPR-1A - MECHANICAL OUTLINE



DIMENSIONS				
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	-	0.240	-	6.10
B	1.000	-	25.40	-
C	0.028	0.034	0.71	0.86
D	0.090	0.150	2.29	3.81

GPR-1A (REV: R2)

MARKING: FULL PART NUMBER

R0 (19-November 2007)