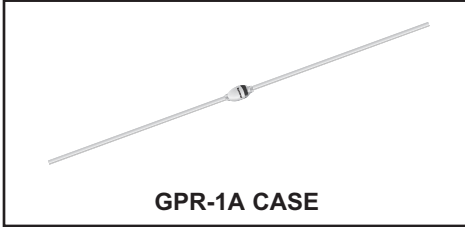


1N4245 1N4248
 1N4246 1N4249
 1N4247

**GLASS PASSIVATED
 SILICON RECTIFIERS
 1.0 AMP, 200 THRU 1000 VOLT**



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1N4245 series types are silicon rectifiers mounted in a hermetically sealed, glass passivated package for general purpose applications where high reliability is desired.

MARKING: FULL PART NUMBER

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

	SYMBOL	1N4245	1N4246	1N4247	1N4248	1N4249	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 ($T_A=55^\circ\text{C}$)	I_O			1.0			A
Peak Forward Surge Current, $t_p=8.3\text{ms}$	I_{FSM}			40			A
Operating and Storage Junction Temperature	T_J, T_{stg}			-65 to +200			$^\circ\text{C}$

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

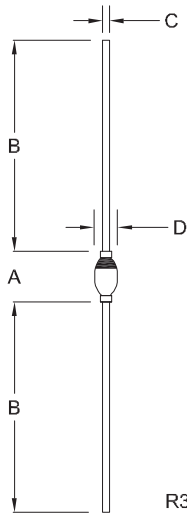
SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I_R	$V_R=\text{Rated } V_{RRM}$		1.0	μA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=125^\circ\text{C}$		25	μA
V_F	$I_F=1.0\text{A}$		1.2	V
t_{rr}	$I_F=0.5\text{A}, I_R=1.0\text{A}, I_{rr}=0.25\text{A}$	2.0	5.0	μs

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GLASS PASSIVATED
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GPR-1A CASE - MECHANICAL OUTLINE



SYMBOL	DIMENSIONS			
	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	0.070	0.150	1.80	3.81

GPR-1A (REV: R3)

MARKING: FULL PART NUMBER

R1 (28-February 2013)