1N3611 1N3613
1N3612 1N3614
1N3957

GLASS PASSIVATED
SILICON RECTIFIERS
1.0 AMP, 200 THRU 1000 VOLT



GPR-1A CASE

www.centralsemi.com

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°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°C)	I_O			1.0			A
Peak Forward Surge Current, tp=8.3ms	I_{FSM}			40			A
Operating and Storage Junction Temperature	T_J, T_{stg}			-65 to +175			°C

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

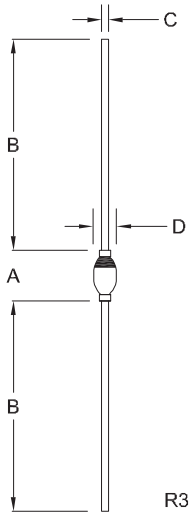
SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I_R	V_R=Rated V_{RRM}		5.0	μA
I_R	V_R=Rated V_{RRM}, T_A=150°C		200	μA
V_F	I_F=1.0A		1.1	V
C_J	V_R=4.0V, f=1.0MHz	25		pF
t_{rr}	I_F=0.5A, I_R=1.0A, I_{rr}=0.25A		2.0	μs

R1 (28-February 2013)

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GPR-1A CASE - MECHANICAL OUTLINE



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	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

OUTSTANDING SUPPORT AND SUPERIOR SERVICES

PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

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