1N5059 1N5061
1N5060 1N5062

GLASS PASSIVATED SILICON RECTIFIERS 1.0 AMP, 200 THRU 800 VOLT

GPR-1A CASE

Central Semiconductor Corp.

www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1N5059 series types are silicon rectifiers manufactured in a hermetically sealed, glass passivated package, designed for general purpose applications where high reliability is desired. Higher voltage devices are available in the CPR1-010 series.

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL	1N5059	1N5060	1N5061	1N5062	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	200	400	600	800	V
DC Blocking Voltage	V_R	200	400	600	800	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	560	V
Average Forward Current (T_A=75°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
Thermal Resistance	Θ_{JA}	40				°C/W

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

SYMBOL	TEST CONDITIONS	MAX	UNITS
I_R	V_R=Rated V_{RRM}	5.0	μA
I_R	V_R=Rated V_{RRM}, T_A=175°C (1N5059, 1N5060)	300	μA
I_R	V_R=Rated V_{RRM}, T_A=175°C (1N5061, 1N5062)	200	μA
V_F	I_F=1.0A	1.2	V
C_J	V_R=4.0V, f=1.0MHz	15	pF

R5 (28-February 2013)

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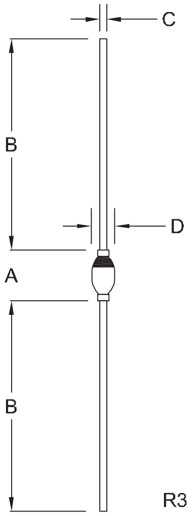
SILICON RECTIFIERS
1.0 AMP, 200 THRU 800 VOLT

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

R5 (28-February 2013)