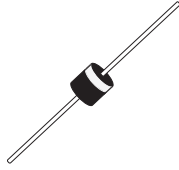


CR6A2GPP CR6A8GPP
 CR6A4GPP CR6A10GPP
 CR6A6GPP

GLASS PASSIVATED JUNCTION
 GENERAL PURPOSE SILICON RECTIFIER
 6A, 200 THRU 1000 VOLTS



CASE 106

CentralTM

Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CR6A4GPP Series types are 6.0 Amp Glass Passivated Junction Silicon Rectifiers which are high quality, well constructed, highly reliable components designed for use in all types of military, commercial, industrial, entertainment, computer, and automotive applications.

THIS DEVICE IS MANUFACTURED WITH A GLASS PASSIVATED CHIP FOR OPTIMUM RELIABILITY.

MARKING: FULL PART NUMBER

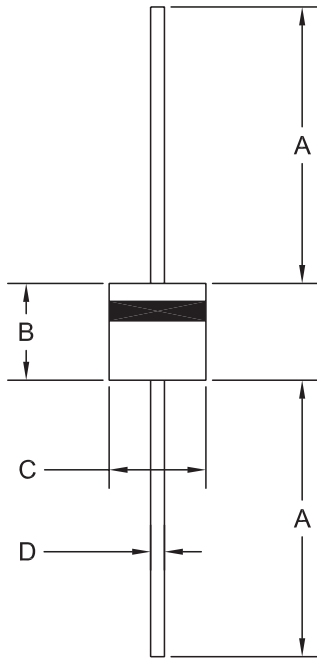
MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

		CR6A					
	SYMBOL	2GPP	4GPP	6GPP	8GPP	10GPP	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
Non-Repetitive Peak Reverse Voltage (Halfwave, single phase, 60Hz peak)	V_{RSM}	240	480	720	960	1200	V
Average Forward Current, $T_A=60^\circ\text{C}$	I_O			6.0			A
Non-Repetitive Peak Forward Surge Current (Halfwave, single phase, 60Hz peak)	I_{FSM}			400			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	MAX	UNITS
I_R	$V_R=Rated V_{RRM}$	10	μA
I_R	$V_R=Rated V_{RRM}, T_A=100^\circ\text{C}$	1.0	mA
V_F	$I_F=6.0\text{A}$	1.0	V

CASE 106 - MECHANICAL OUTLINE



R1

DIMENSIONS				
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.000	-	25.40	-
B	0.340	0.360	8.64	9.14
C	0.340	0.360	8.64	9.14
D	0.048	0.053	1.22	1.35

CASE 106 (REV: R1)

MARKING: FULL PART NUMBER

R1 (1-May 2008)

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

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.
145 Adams Avenue
Hauppauge, NY 11788 USA
Main Tel: (631) 435-1110
Main Fax: (631) 435-1824
Support Team Fax: (631) 435-3388
www.centrasemi.com

Worldwide Field Representatives:
www.centrasemi.com/wwreps

Worldwide Distributors:
www.centrasemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centrasemi.com/terms