

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

1N4001G THRU 1N4007G

1.0 AMP RECTIFIER
GLASS PASSIVATED CHIP
50 THRU 1000 VOLTS

JEDEC DO-41 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1 ampere axial lead epoxy silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. Because of its superior electrical characteristics, this rectifier family is used as a universal replacement for many other rectifiers. This series of devices is manufactured by the planar process using the glass passivation technique.

FEATURES

- 1 amp at 100°C
- compression molded epoxy
- superior solvent resistance
- 50 amps surge current
- reliable internal construction
- glass passivated chip for high reliability

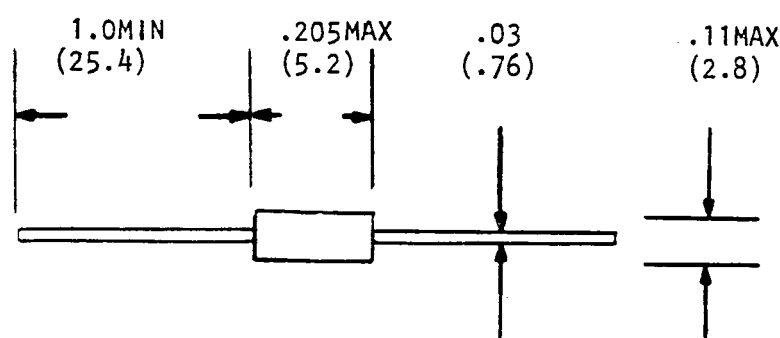
MAXIMUM RATINGS (T_A=25°C)

SYMBOL	1N4001G	1N4002G	1N4003G	1N4004G	1N4005G	1N4006G	1N4007G	UNIT
V _{RRM}	50	100	200	400	600	800	1000	V
V _{R(RMS)}	35	70	140	280	420	560	700	V
I _O				1.0				A
I _{FSM}				50				A
T _J , T _{STG}				-65 to +175				°C

ELECTRICAL CHARACTERISTICS (T_A=25°C)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F	I _F =1.0A		1.1	V
I _R	V _R =Rated V _{RRM}		5.0	μA
I _R	V _R =Rated V _{RRM} , T _A =100°C		50	μA

OUTLINE DRAWING:



Dimensions in inches and (millimeters).

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

CONTACT US

Corporate Headquarters & Customer Support Team

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