

CentralTM Semiconductor Corp.

145 Adams Avenue, Hauppauge, NY 11788 USA
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Manufacturers of World Class Discrete Semiconductors

1 AMP RECTIFIER

50-1200 VOLTS

AXIAL LEAD EXPOXY CASE

CR1 SERIES

FEATURES

1 Amp at 100°C
Compression molded epoxy
Superior solvent resistance

50 Amps surge current
Reliable internal construction
Extensive temperature range

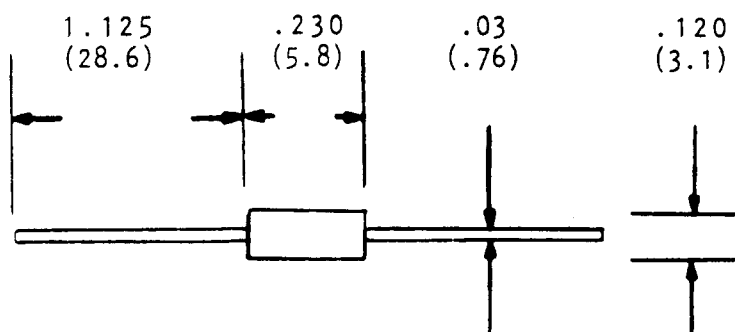
DESCRIPTION

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 military, 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.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

SYMBOL	CR1- 005	CR1- 010	CR1- 020	CR1- 040	CR1- 060	CR-1 080	CR-1 100	CR-1 120	UNIT
PIV	50	100	200	400	600	800	1000	1200	V
V _{rm} (rms)	35	70	140	280	420	560	700	840	V
I _F (avg)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	A
I _F (surge)	50	50	50	50	50	50	50	50	A
V _{FM} (at 1A)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	V
I _{RM} (25°C)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	μA
T _J max	175	175	175	175	175	175	175	175	°C

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

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

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