

CentralTM Semiconductor Corp.

145 Adams Avenue, Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824

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

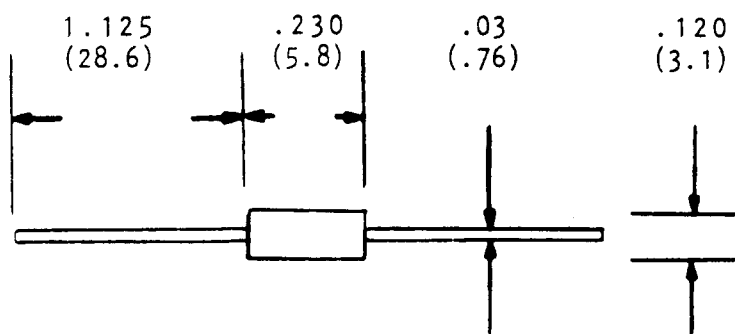
DESCRIPTION

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

<u>SYMBOL</u>	<u>CR1- 005</u>	<u>CR1- 010</u>	<u>CR1- 020</u>	<u>CR1- 040</u>	<u>CR1- 060</u>	<u>CR-1 080</u>	<u>CR-1 100</u>	<u>CR-1 120</u>	<u>UNIT</u>
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	uA
T _J max	175	175	175	175	175	175	175	175	°C

OUTLINE DRAWING



Dimensions in inches and (millimeters).



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

LittleDiode.com

Looking forward to providing you with the best possible service.