

CentralTM Semiconductor Corp.

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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

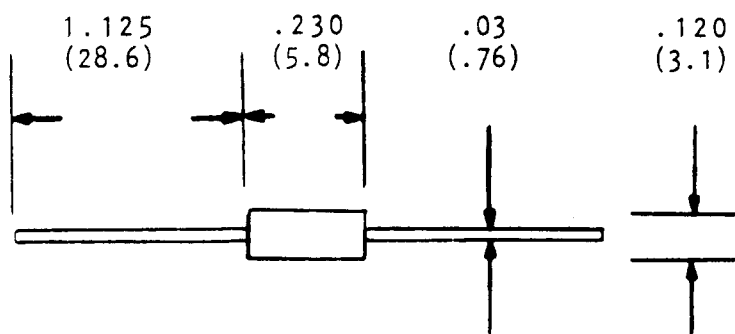
DESCRIPTION

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

<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).