

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

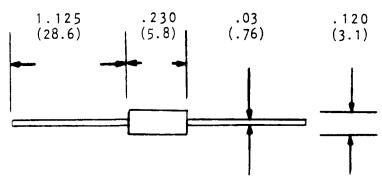
DESCRIPTION

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

| SYMBOL | CR1- 005 | CR1- 010 | CR1- 020 | CR1- 040 | CR1- 060 | CR-1 080 | CR-1 100 | CR-1 120 | UNIT |
|--|-------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|--|-----------------------------|
| PIV V _{rm} (rms) IF (avg) IF (surge) VFM (at 1A) IRM (25°C) | 50 35 1.0 50 1.1 5.0 | 100 70 1.0 50 1.1 5.0 | 200 140 1.0 50 1.1 5.0 | 400 280 1.0 50 1.1 5.0 | 600 420 1.0 50 1.1 5.0 | 800 560 1.0 50 1.1 5.0 | 1000 700 1.0 50 1.1 5.0 | 1200 840 1.0 50 1.1 5.0 | V V A A V uA |
| T _{J max} | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | oC G |

OUTLINE DRAWING



Dimensions in inches and (millimeters).