

# Central™

## Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CR2-160

SILICON HIGH VOLTAGE RECTIFIER  
2.0 AMPS, 1600 VOLTS

CASE 101

### FEATURES

- 2 Amps, 1600 Volts
- Compression molded epoxy
- Superior solvent resistance
- 50 Amps surge current
- Reliable internal construction
- Extensive temperature range

### DESCRIPTION

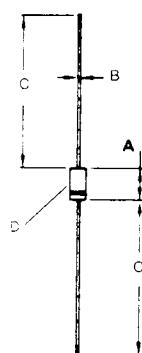
The CENTRAL SEMICONDUCTOR 2.0 ampere axial lead, very high voltage, epoxy molded silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

### MAXIMUM RATINGS (TA=25°C unless otherwise noted)

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	1600	V
DC Blocking Voltage	V <sub>R</sub>	1600	V
RMS Reverse Voltage	V <sub>R</sub> (RMS)	1120	A
Average Forward Current	I <sub>0</sub>	2.0	A
Peak Forward Surge Current	I <sub>FSM</sub>	50	A
Operating and Storage Junction Temperature	T <sub>J</sub> , T <sub>STG</sub>	-65 T0 +175	°C

### ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
V <sub>F</sub>	I <sub>F</sub> =Rated I <sub>0</sub>		1.1	V
I <sub>R</sub>	V <sub>R</sub> =Rated V <sub>RRM</sub>		10	µA



	<u>INCHES</u>		<u>mm</u>	
	<u>MIN</u>	<u>MAX</u>	<u>MIN</u>	<u>MAX</u>
A	.230	.300	5.8	7.6
B	.028	.034	0.7	0.9
C	1.0	-	25.4	-
D	.104	.140	2.6	3.6