

CentralTM 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

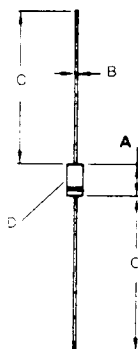
The CENTRAL SEMICONDUCTOR 2.0 ampere axial lead, very high voltage, epoxy molded silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Repetitive Reverse Voltage	V _{RRM}	1600	V
DC Blocking Voltage	V _R	1600	V
RMS Reverse Voltage	V _R (RMS)	1120	A
Average Forward Current	I _O	2.0	A
Peak Forward Surge Current	I _{FSM}	50	A
Operating and Storage Junction Temperature	T _J , T _{STG}	-65 TO +175	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
V _F	I _F =Rated I _O		1.1	V
I _R	V _R =Rated V _{RRM}		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