

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

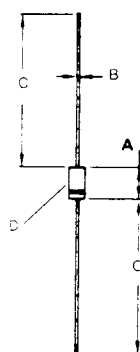
The CENTRAL SEMICONDUCTOR 2.0 ampere axial lead, very high voltage, epoxy molded silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL		UNIT
Peak Repetitive Reverse Voltage	VRRM	1600	V
DC Blocking Voltage	VR	1600	V
RMS Reverse Voltage	VR(RMS)	1120	A
Average Forward Current	IO	2.0	A
Peak Forward Surge Current	IFSM	50	A
Operating and Storage Junction Temperature	TJ, TSTG	-65 TO +175	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
VF	IF=Rated IO		1.1	V
IR	VR=Rated VRRM		10	μA



	INCHES		mm	
	MIN	MAX	MIN	MAX
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