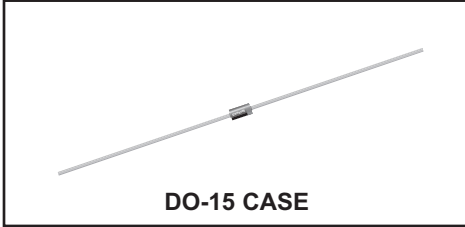


CR2-005 THRU CR2-150

SILICON RECTIFIERS  
2.0 AMP, 50 THRU 1500 VOLT



[www.centrasemi.com](http://www.centrasemi.com)

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CR2-005 series 2.0 Amp silicon rectifier is a 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.

**MARKING: FULL PART NUMBER**

**FEATURES:**

- 2.0 Amp average forward current @ 50°C
- 50 Amp surge current

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

		CR2									
	SYMBOL	-005	-010	-020	-040	-060	-080	-100	-120	-150	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	1200	1500	V
DC Blocking Voltage	$V_R$	50	100	200	400	600	800	1000	1200	1500	V
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	280	420	560	700	840	1050	V
Average Forward Current ( $T_A=50^\circ\text{C}$ )	$I_O$					2.0					A
Peak Forward Surge Current ( $t_p=8.3\text{ms}$ )	$I_{FSM}$					50					A
Operating and Storage Junction Temperature	$T_J, T_{stg}$					-65 to +175					$^\circ\text{C}$

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

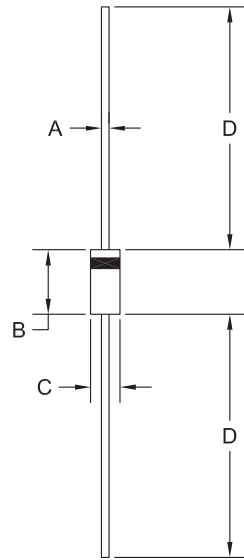
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
$I_R$	$V_R=\text{Rated } V_{RRM}$		5.0	$\mu\text{A}$
$V_F$	$I_F=2.0\text{A}$		1.2	V

R1 (7-February 2014)

CR2-005 THRU CR2-150  
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DO-15 CASE - MECHANICAL OUTLINE



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.028	0.034	0.71	0.86
B	0.230	0.300	5.84	7.62
C	0.104	0.140	2.64	3.56
D	1.000	-	25.40	-

DO-15 (REV: R1)

MARKING: FULL PART NUMBER

R1

R1 (7-February 2014)