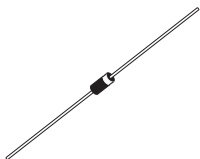


CR250-2 SERIES
HIGH VOLTAGE
SILICON RECTIFIER
2000 THRU 4000 VOLTS
200mA



DO-15 CASE

CentralTM
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CR250-2 series types are 200mA axial lead high voltage silicon rectifiers designed for general purpose high voltage applications.

MARKING: FULL PART NUMBER

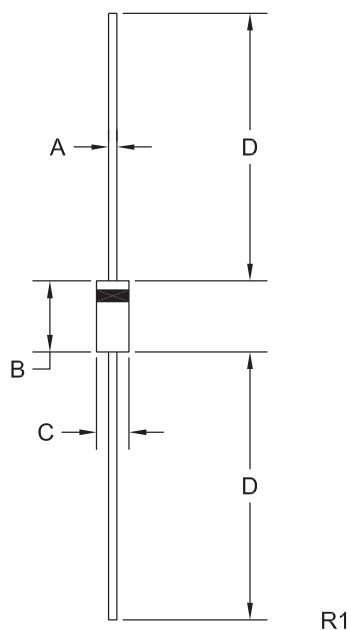
MAXIMUM RATINGS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL	CR250-2	CR250-3	CR250-4	UNITS
DC Blocking Voltage	V_R	2000	3000	4000	V
Peak Repetitive Reverse Voltage	V_{RRM}	2000	3000	4000	V
RMS Reverse Voltage	$V_R(\text{RMS})$	1400	2100	2800	V
Average Forward Current ($T_A=50^{\circ}\text{C}$)	I_O		200		mA
Peak Forward Surge Current ($t=8.3\text{ms}$)	I_{FSM}		30		A
Operating and Storage Junction Temperature	T_J, T_{stg}		-65 to +150		$^{\circ}\text{C}$

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

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I_R	$V_R=\text{Rated } V_{RRM}$		5.0	μA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=100^{\circ}\text{C}$		50	μA
V_F	$I_R=200\text{mA (CR250-2)}$		3.0	V
V_F	$I_R=200\text{mA (CR250-3)}$		4.0	V
V_F	$I_R=200\text{mA (CR250-4)}$		5.0	V
C_J	$V_R=4.0\text{V}, f=1.0\text{MHz}$	30		pF

DO-15 CASE - MECHANICAL OUTLINE



DIMENSIONS				
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

R2 (30-September 2009)