Central
Semiconductor Corp.
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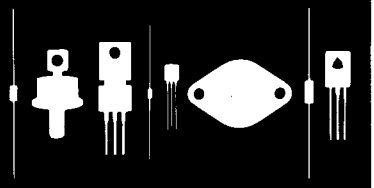
145 Adams Avenue
Hauppauge, New York 11788



FAST RECOVERY
HIGH VOLTAGE RECTIFIER
CR250F-X

250mA

1000-6000 VOLTS

AXIAL LEAD EPOXY CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CR250F High Voltage Series is a 250mA Axial Lead High Voltage Rectifier designed for general purpose high voltage applications where space limitation is a factor and a fast reverse recovery time is necessary.

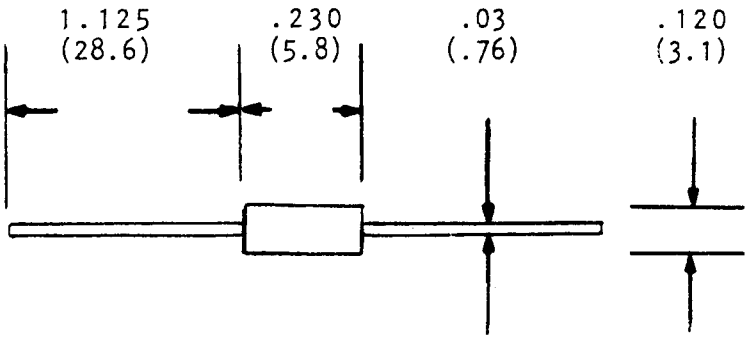
MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

		CR250F -1	CR250F -2	CR250F -3	CR250F -4	CR250F -5	CR250F -6	UNIT
DC Blocking Voltage	V_R	1000	2000	3000	4000	5000	6000	V
Peak Reverse Voltage	V_{RM}	1000	2000	3000	4000	5000	6000	V
RMS Reverse Voltage	V_r	700	1400	2100	2800	3500	4200	V
Average Forward Current	I_O	250	250	250	250	250	250	mA
Peak Forward Current (T_A=75°C)	I_{FRM}	2.0	2.0	2.0	2.0	2.0	2.0	A
Peak Surge Current (Rated V_R, I_O, T_A=75°C, One Cycle)	I_{FSM}	20.	20.	20.	20.	20.	20.	A
Operating Junction Temperature	T_J			-65 TO +175°C				
Storage Temperature	T_{stg}			-65 TO +175°C				

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	V_R=Rated		1.0	uA
I_R	V_R=Rated, T_A=100°C		50	uA
V_F	I_F=0.25A (-1, -2)		3.25	V
V_F	I_F=0.25A (-3, -4)		6.75	V
V_F	I_F=0.25A (-5, -6)		9.25	V
T_{rr}			200	ns

OUTLINE DRAWING



Dimensions in inches and (millimeters).

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