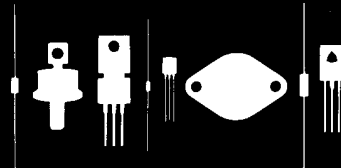


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145 Adams Avenue
Hauppauge, New York 11788



HIGH VOLTAGE RECTIFIER

CPR250 SERIES

250mA

1000-5000 VOLTS

AXIAL LEAD GLASS PASSIVATED

DESCRIPTION

The CENTRAL SEMICONDUCTOR CPR250 High Voltage Series is a 250mA Axial Lead Glass Passivated High Voltage Rectifier designed for general purpose high voltage applications where space limitation is a factor.

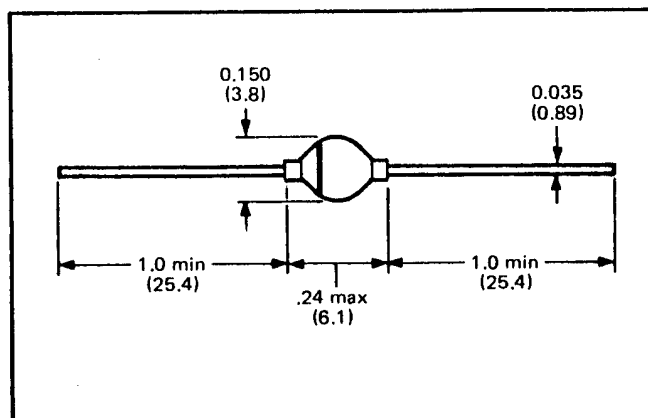
MAXIMUM RATINGS ($T_A=25^\circ\text{C}$ unless otherwise noted)

		CPR250 -1	CPR250 -2	CPR250 -3	CPR250 -4	CPR250 -5	UNIT	
DC Blocking Voltage	V_R	1000	2000	3000	4000	5000	V	
Peak Reverse Voltage	V_{RM}	1000	2000	3000	4000	5000	V	
RMS Voltage	V_r	700	1400	2100	2800	3500	V	
Average Forward Current	I_O	250	250	250	250	250	mA	
Peak Forward Current ($T_A=75^\circ\text{C}$)	I_{FRM}	2.0	2.0	2.0	2.0	2.0	A	
Peak Surge Current (Rated V_R , I_O , $T_A=75^\circ\text{C}$ one cycle)	I_{FSM}	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 ($T_A=25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	V_R =Rated		5.0	μA
I_R	V_R =Rated, $T_A=100^\circ\text{C}$		50	μA
V_F	$I_F=0.10$ AMPS (CPR250-1,2)		3.0	V
V_F	$I_F=0.10$ AMPS (CPR250-3)		4.0	V
V_F	$I_F=0.10$ AMPS (CPR250-4)		6.0	V
V_F	$I_F=0.10$ AMPS (CPR250-5)		8.0	V

OUTLINE DRAWING



DIMENSIONS IN INCHES (MILLIMETERS)

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