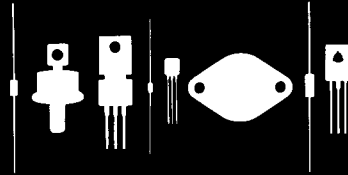


Central
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145 Adams Avenue
Hauppauge, New York 11788



CR6AU SERIES

6.0 AMP RECTIFIER
ULTRA FAST RECOVERY

100 THRU 400 VOLTS

CASE 106

FEATURES

- 6 Amps at $T_A=75^\circ\text{C}$, 3/8" lead length
- Compression molded epoxy
- Superior solvent resistance
- 300 Amps surge current
- Reliable internal construction
- Extensive temperature range

DESCRIPTION

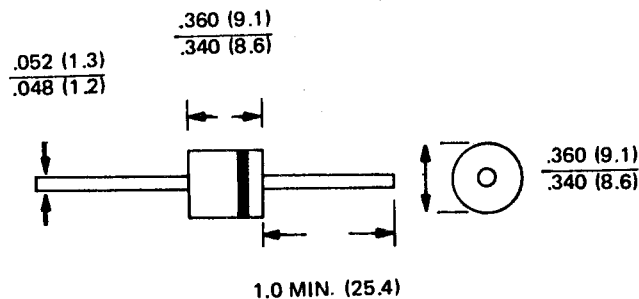
The CENTRAL SEMICONDUCTOR 6 ampere axial lead ultra fast recovery epoxy silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. Because of its superior electrical characteristics, this rectifier family is used as a universal replacement for many other rectifiers.

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

	SYMBOL	CR6AU1	CR6AU2	CR6AU4	UNIT
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	V
DC Blocking Voltage	V_R	100	200	400	V
RMS Reverse Voltage	$V_R(\text{RMS})$	70	140	280	A
Average Forward Current	I_O		6.0		A
Peak Forward Surge Current	I_{FSM}		300		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	UNIT
V_F	$I_F=\text{Rated } I_O$		1.0	V
I_R	$V_R=\text{Rated } V_{RRM}$		10	μA
t_{rr}	$I_F=0.5\text{A}, I_R=1.0\text{A}, \text{Recovery to } 0.25\text{A}$		50	ns



DIMENSIONS IN INCHES (MILLIMETERS)

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