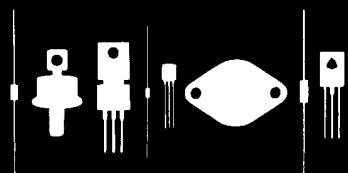


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145 Adams Avenue
Hauppauge, New York 11788



CR6AF SERIES

6.0 AMP RECTIFIER
FAST RECOVERY
100 THRU 1000 VOLTS
CASE 106

FEATURES

- 6 Amps at $T_A=60^\circ\text{C}$, 3/8" lead length
- Compression molded epoxy
- Superior solvent resistance
- 300 Amps surge current
- Reliable internal construction
- Extensive temperature range

DESCRIPTION

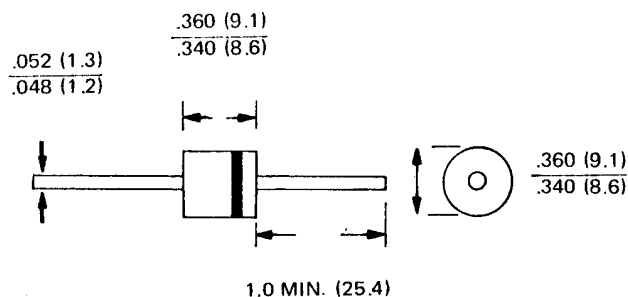
The CENTRAL SEMICONDUCTOR 6 ampere axial lead fast recovery epoxy silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. Because of its superior electrical characteristics, 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	CR6AF1	CR6AF2	CR6AF4	CR6AF6	CR6AF8	CR6AF10	UNIT
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V_R	100	200	400	600	800	1000	V
RMS Reverse Voltage	$V_R(RMS)$	70	140	280	420	560	700	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	$I_F=\text{Rated } I_O$		1.2	V
I_R	$V_R=\text{Rated } V_{RRM}$		25	μA
t_{rr}	$I_F=0.5\text{A}, I_R=1.0\text{A}, \text{Recovery to } 0.25\text{A} (100-400\text{V})$		200	ns
t_{rr}	$I_F=0.5\text{A}, I_R=1.0\text{A}, \text{Recovery to } 0.25\text{A} (600-1000\text{V})$		500	ns



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