

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CR3F SERIES

3.0 AMP
FAST RECOVERY RECTIFIER

AXIAL LEAD EPOXY CASE (CASE 103)

DESCRIPTION

The CENTRAL SEMICONDUCTOR CR3F Series types are Axial Lead Silicon Rectifiers designed for DC Power Supply and Inverter applications where fast recovery times are needed.

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

	CR3F- 005	CR3F- 010	CR3F- 020	CR3F- 040	CR3F- 060	CR3F- 080	CR3F- 100	CR3F- 120	UNIT UNIT
V _{RRM}	50	100	200	400	600	800	1000	1200	V
V _{R(RMS)}	35	70	140	280	420	560	700	840	V
I _O (T _A =80°C)				3.0					A
I _{FSM} (8.0ms Duration)				175					A
T _J , 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 =V _{RRM}		5.0	μA
V _F	I _F =3.0A		1.2	V
t _{rr}	I _F =1.0A, V _R =30V, (50V THRU 600V)		150	ns
t _{rr}	I _F =1.0A, V _R =30V, (800V THRU 1200V)		400	ns