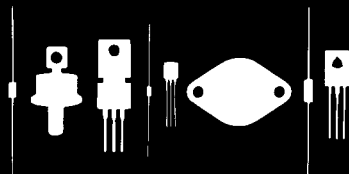


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 145 Adams Avenue
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CR1F SERIES
 FAST RECOVERY RECTIFIER
 JEDEC D0-41 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CR1F 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)

	CR1F-005	CR1F-010	CR1F-020	CR1F-040	CR1F-060	CR1F-080	CR1F-100	CR1F-120	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)				1.5					A
I _{FSM} (8.0ms Duration)				50					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
I _R	V _R =V _{RRM} , T _A =100°C		100	μA
V _F	I _F =1.0A		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)		500	ns

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