



CMR1S-01
CMR1S-02

**SUPER FAST RECOVERY RECTIFIER
1.0 AMP, 100 AND 200 VOLTS**

— SUPER
— FAST



SMB CASE

FEATURES:

- FASTER SWITCHING SPEED (35ns Max)
- LOWER V_F (.95V)
- RUNS COOLER THAN ULTRA FAST RECTIFIER
- LOW COST - HIGH RELIABILITY
- GLASS PASSIVATED CHIP
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD

DESCRIPTION:

The Central Semiconductor 1.0 Amp Surface Mount Silicon Super Fast Recovery Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

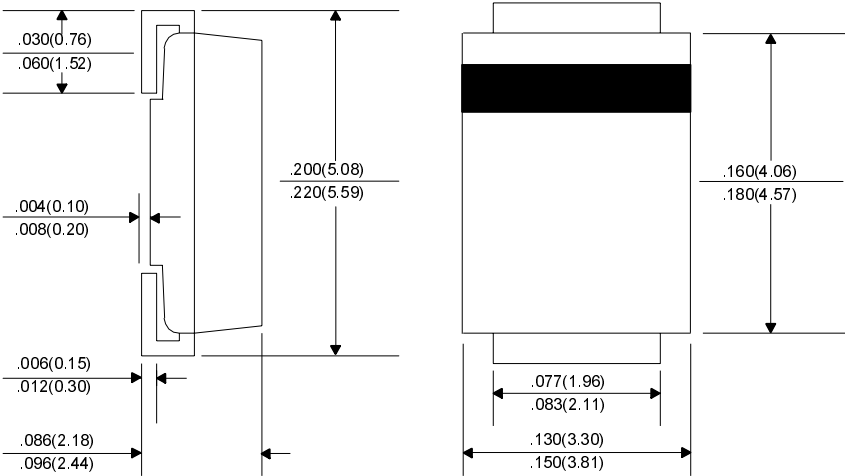
MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

	SYMBOL	CMR1S -01	CMR1S -02	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	V
DC Blocking Voltage	V_R	100	200	V
RMS Reverse Voltage	$V_{R(RMS)}$	70	140	V
Average Forward Current	I_O	1.0		A
Peak Forward Surge Current (8.3ms)	I_{FSM}	30		A
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +150		$^\circ\text{C}$
Thermal Resistance	Θ_{JL}	20		$^\circ\text{C/W}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	V_R =Rated V_{RRM}			5.0	μA
I_R	V_R =Rated V_{RRM} , $T_A=100^\circ\text{C}$			500	μA
V_F	$I_F=1.0\text{A}$			0.95	V
t_{rr}	$I_F=0.5\text{A}$, $I_R=1.0\text{A}$, Recover to 0.25A			35	ns
C_J	$V_R=4.0\text{V}$, $f=1.0\text{MHz}$		10		pF

All dimensions in inches (mm).



DEVICE	MARKING CODE
CMR1S-01	CSF01
CMR1S-02	CSF02