

PRELIMINARY

**CMMR SERIES**

**SURFACE MOUNT SILICON  
GENERAL PURPOSE RECTIFIER  
0.5 AMP, 200 THRU 1000 VOLTS**



**SOD-123F CASE**

**Central™  
Semiconductor Corp.**

**DESCRIPTION:**

The Central Semiconductor CMMR Series of High Current Density Rectifiers, in a SOD-123F surface mount package are designed for all types of commercial, industrial computer and automotive applications.

**MARKING CODES:** CMMR-02: C2M  
CMMR-04: C4M  
CMMR-06: C6M  
CMMR-10: C0M

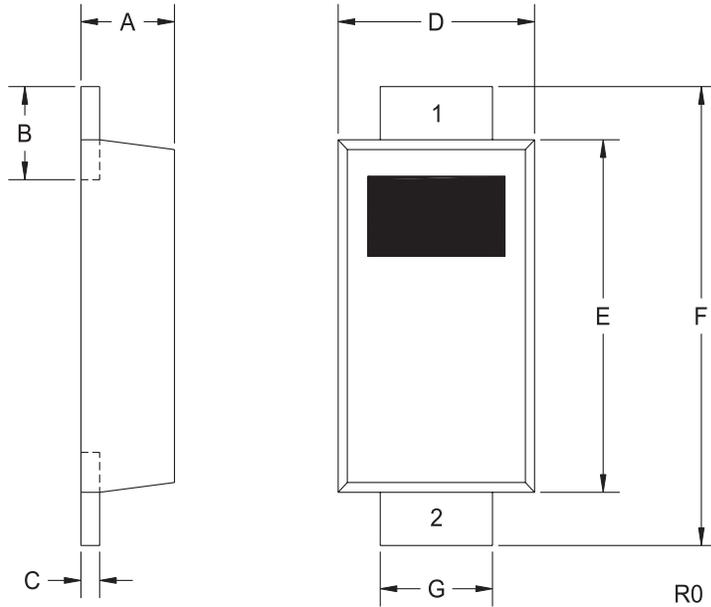
**MAXIMUM RATINGS:** ( $T_A=25^\circ\text{C}$  unless otherwise noted)

	SYMBOL	CMMR -02	CMMR -04	CMMR -06	CMMR -10	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	400	600	1000	V
DC Blocking Voltage	$V_R$	200	400	600	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	700	V
Average Forward Current ( $T_L=80^\circ\text{C}$ )	$I_O$			0.5		A
Peak Forward Surge Current (8.3ms)	$I_{FSM}$			10		A
Operating and Storage Junction Temperature	$T_J, T_{stg}$		-65 to +150			$^\circ\text{C}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
$V_F$	$I_F=500\text{mA}$		1.1	V
$I_R$	$V_R=\text{Rated } V_{RRM}$		200	nA
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=150^\circ\text{C}$		25	$\mu\text{A}$
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$		10	pF

SOD-123F CASE - MECHANICAL OUTLINE



**LEAD CODE:**  
1) CATHODE  
2) ANODE

**MARKING CODE**

DEVICE	MARKING CODE
CMMR-02	C2M
CMMR-04	C4M
CMMR-06	C6M
CMMR-10	C0M

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.028	0.031	0.72	0.78
B	0.028		0.70	
C	0.004	0.008	0.10	0.20
D	0.059	0.067	1.50	1.70
E	0.102	0.110	2.60	2.80
F	0.134	0.142	3.40	3.60
G	0.034	0.037	0.87	0.93

SOD-123F (REV:R0)