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°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°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			°C

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V_F	I_F=500mA		1.1	V
I_R	V_R=Rated V_{RRM}		200	nA
I_R	V_R=Rated V_{RRM}, T_A=150°C		25	μA
C_J	V_R=4.0V, f=1.0MHz		10	pF

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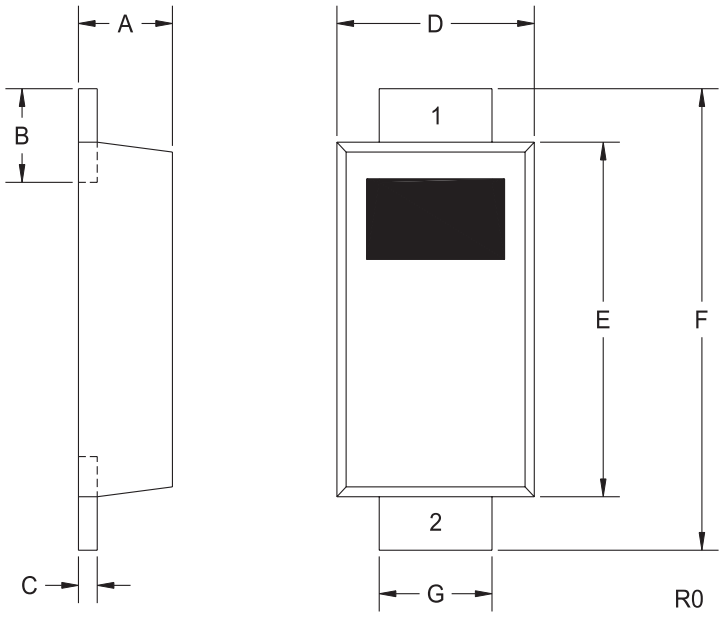
SOD-123F CASE - MECHANICAL OUTLINE



LEAD CODE:
1) CATHODE
2) ANODE

MARKING CODE

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

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	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)

R2 (04-April 2003)