

SURFACE MOUNT GENERAL PURPOSE SILICON RECTIFIER 1 AMP, 50 AND 100 VOLTS



FEATURES:

- Low cost
- High reliability
- Glass passivated chip
- Special selections available

• Superior lot to lot consistency

• "C" bend construction provides strain relief when mounted on pc board

MAXIMUM RATINGS: (TA=25°C unless otherwise noted)

	SYMBOL	CMR1-005M	CMR1-01M	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	50	100	V
DC Blocking Voltage	VR	50	100	V
RMS Reverse Voltage	V _{R(RMS)}	35	70	V
Average Forward Current (T _L =100°C)	I _O	1.	0	А
Peak Forward Surge Current, tp=8.3ms	IFSM	3	0	А
Operating and Storage Junction Temperature	TJ, Tstg	-65 to	+150	°C
Thermal Resistance	Θ _{JL}	3	0	°C/W

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

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I _R	V _R =Rated V _{RRM}		5.0	μA
I _R	V _R =Rated V _{RRM} , T _A =125°C		50	μA
VF	I _F =1.0A		1.1	V
СЈ	V _R =4.0V, f=1.0MHz	8.0		pF

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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMR1-005M Series 1.0 Amp Surface Mount Silicon Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications where small size is required. The SMA case occupies 30% less board space than the SMB case. To order devices on 12mm Tape and Reel (5000/13" Reel), add TR13 suffix to part number.

MARKING CODES: CMR1-005M: C005M CMR1-01M: C01M

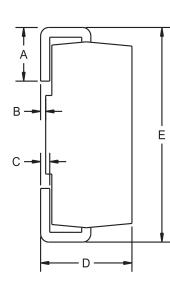
R2 (3-February 2010)

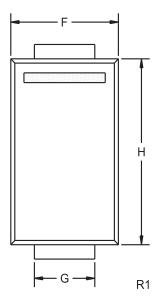


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SMA CASE - MECHANICAL OUTLINE





MARKING CODES:			
CMR1-005M: C005M			
CMR1-01M:	C01M		

DIMENSIONS							
	INCHES		MILLIMETERS				
SYMBOL	MIN	MAX	MIN	MAX			
А	0.030	0.060	0.76	1.52			
В	0.004	0.008	0.10	0.20			
С	0.006	0.012	0.15	0.30			
D	0.078	0.103	1.98	2.62			
E	0.188	0.220	4.78	5.59			
F	0.090	0.115	2.29	2.92			
G	0.050	0.070	1.27	1.78			
Н	0.157	0.181	3.99	4.60			
SMA (REV: R1)							

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