

FEATURES:



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMR1-02 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. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE

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- Special selections available
- "C" bend construction provides strain relief when mounted on pc board
- Low cost when mounted on pc
 Superior lot to lot consistency Glass passivated chip
- High reliability

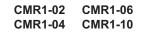
MAXIMUM RATINGS: (T_{Δ} =25°C unless otherwise noted)

	SYMBOL	CMR1-02	CMR1-04	CMR1-06	<u>CMR1-10</u>	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	200	400	600	1000	V
DC Blocking Voltage	VR	200	400	600	1000	V
RMS Reverse Voltage	V _{R(RMS)}	140	280	420	700	V
Average Forward Current (T _A =75°C)	IO		1.	0		А
Peak Forward Surge Current, tp=8.3ms	I _{FSM}		3	0		А
Operating and Storage Junction Temperature	T _J , T _{stg}		-65 to	+175		°C
Thermal Resistance	Θ _{JL}		2	0		°C/W

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

SYMBOL	TEST CONDITIONS	MAX	UNITS
I _R	V _R =Rated V _{RRM}	10	μA
I _R	V _R =Rated V _{RRM} , T _A =125°C	50	μA
VF	I _F =1.0A	1.1	V

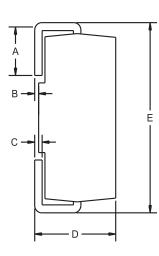
R5 (3-February 2010)

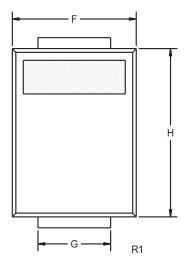




SURFACE MOUNT GENERAL PURPOSE SILICON RECTIFIER 1 AMP, 200 THRU 1000 VOLTS

SMB CASE - MECHANICAL OUTLINE





DEVICE	MARKING CODE		
CMR1-02	C02		
CMR1-04	C04		
CMR1-06	C06		
CMR1-10	C10		

DIMENSIONS					
	INCHES		MILLIMETERS		
SYMBOL	MIN	MAX	MIN	MAX	
A	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	0.086	0.096	2.18	2.44	
E	0.200	0.220	5.08	5.59	
F	0.130	0.150	3.30	3.81	
G	0.077	0.083	1.96	2.11	
Н	0.160	0.180	4.06	4.57	
SMB (REV: R1)					

R5 (3-February 2010)

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