CMR1-02 CMR1-06 CMR1-04 CMR1-10

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





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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**

FEATURES:

- Special selections available
- · Low cost
- · Superior lot to lot consistency
- · High reliability

- "C" bend construction provides strain relief when mounted on pc board
- · Glass passivated chip

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

	SYMBOL	CMR1-02	CMR1-04	CMR1-06	CMR1-10	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 _A =75°C)	lo		1.	.0		Α
Peak Forward Surge Current, tp=8.3ms	IFSM		3	0		Α
Operating and Storage Junction Temperature	T _J , T _{stg}		-65 to	+175		°C
Thermal Resistance	$\Theta_{\sf JL}$		2	0		°C/W

ELECTRICAL	CHARACTERISTICS: (1 _A =25°C unless otherwise noted)
SYMBOL	TEST CONDITIONS

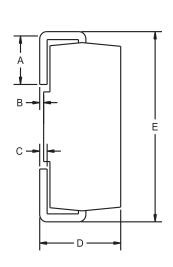
SYMBOL	TEST CONDITIONS	MAX	UNITS
I_{R}	V _R =Rated V _{RRM}	10	μΑ
I_{R}	V _R =Rated V _{RRM} , T _A =125°C	50	μΑ
٧c	I⊏=1.0A	1.1	V

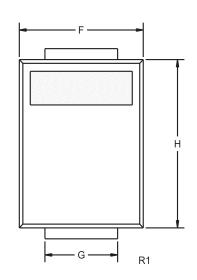
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SURFACE MOUNT
GENERAL PURPOSE
SILICON RECTIFIER
1 AMP, 200 THRU 1000 VOLTS



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	
Α	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)