

CMR2-02 CMR2-06
 CMR2-04 CMR2-10

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



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMR2-02 Series 2.0 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



SMB CASE

FEATURES:

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

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

	SYMBOL	CMR2-02	CMR2-04	CMR2-06	CMR2-10	UNITS
Peak Repetitive Reverse Voltage	V _R 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 =50°C)	I _O			2.0		A
Peak Forward Surge Current, tp=8.3ms	I _{FSM}			60		A
Operating and Storage Junction Temperature	T _J , T _{stg}			-65 to +150		°C
Thermal Resistance	θ _{JL}			20		°C/W

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

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I _R	V _R =Rated V _R RRM		5.0	μA
I _R	V _R =Rated V _R RRM, T _A =125°C		125	μA
V _F	I _F =2.0A		1.1	V
t _{rr}	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A		2.5	μs
C _J	V _R =4.0V, f=1.0MHz	30		pF

R3 (3-February 2010)

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SMB CASE - MECHANICAL OUTLINE



DEVICE	MARKING CODE
CMR2-02	C202
CMR2-04	C204
CMR2-06	C206
CMR2-10	C210

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.030	0.060	0.76	1.52
B	0.004	0.008	0.10	0.20
C	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
H	0.160	0.180	4.06	4.57

SMB (REV: R1)

R3 (3-February 2010)