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

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





www.centralsemi.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

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_{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)	IO	2.0				Α
Peak Forward Surge Current, tp=8.3ms	IFSM			60		Α
Operating and Storage Junction Temperature	T _J , T _{stg}		-65 t	o +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 _{RRM}		5.0	μΑ
I_R	V _R =Rated V _{RRM} , T _A =125°C		125	μΑ
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
CJ	V _R =4.0V, f=1.0MHz	30		pF

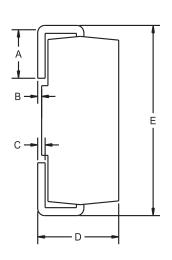
R3 (3-February 2010)

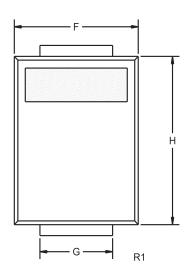
CMR2-02 CMR2-06 CMR2-04 CMR2-10

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



SMB CASE - MECHANICAL OUTLINE





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

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)

R3 (3-February 2010)

www.centralsemi.com