



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)

	,	CMR3	CMR3	CMR3	CMR3	CMR3	CMR3	
	SYMBOL	<u>-02</u>	<u>-04</u>	<u>-06</u>	<u>-08</u>	<u>-10</u>	<u>-11</u>	UNITS
Peak Repetitive Reverse Voltage	VRRM	200	400	600	800	1000	1100	V
DC Blocking Voltage	VR	200	400	600	800	1000	1100	V
RMS Reverse Voltage	V _{R(RMS)}	140	280	420	560	700	770	V
Average Forward Current (T _A =75°C)	IO			3	.0			А
Peak Forward Surge Current, tp=8.3ms	IFSM			20	00			А
Operating and Storage Junction Temperature	Junction Temperature T _J , T _{stg} -65 to +175			°C				
Thermal Resistance	Θ _{JL}			1	0			°C/W

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

SYMBOL	TEST CONDITIONS	MAX	UNITS
I _R	V _R =Rated V _{RRM}	5.0	μΑ
I _R	V _R =Rated V _{RRM} , T _A =125°C	250	μΑ
VF	I _F =3.0A	1.2	V

R4 (27-January 2011)

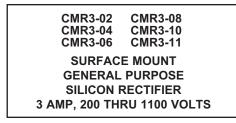


www.centralsemi.com

DESCRIPTION:

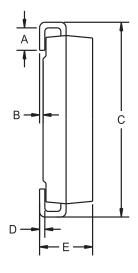
The CENTRAL SEMICONDUCTOR CMR3-02 Series 3.0 Amp Surface Mount Silicon Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 16mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

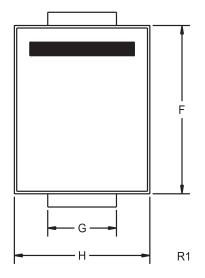
MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE





SMC CASE - MECHANICAL OUTLINE





DEVICE	MARKING CODE		
CMR3-02	C302		
CMR3-04	C304		
CMR3-06	C306		
CMR3-08	C308		
CMR3-10	C310		
CMR3-11	C311		

DIMENSIONS						
	INC	HES	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	0.305	0.320	7.75	8.13		
D	0.006	0.012	0.15	0.31		
E	0.079	0.103	2.00	2.62		
F	0.260	0.280	6.60	7.11		
G	0.108	0.124	2.75	3.15		
Н	0.220	0.245	5.59	6.22		
SMC (PEV/· P1)						

SMC (REV: R1)

R4 (27-January 2011)

www.centralsemi.com