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

SURFACE MOUNT SILICON GENERAL PURPOSE RECTIFIERS 2.0 AMP, 200 THRU 1000 VOLT



www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMR2-02 series 2.0 Amp surface mount silicon rectifier is a highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE



FEATURES:

- Special selections available
- · High reliability
- · 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)	lo		2	2.0		Α
Peak Forward Surge Current, tp=8.3ms	I _{FSM}		(60		Α
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 to +150				°C
Thermal Resistance	$\Theta_{\sf JL}$:	20		°C/W

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

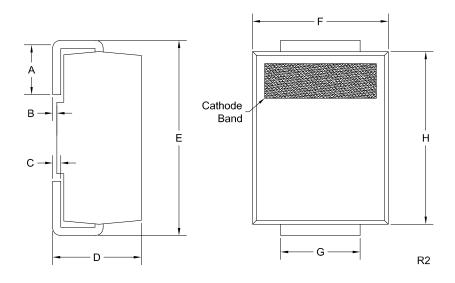
SYMBOL TEST CONDITIONS TYP MAX	
- V- = Doted V	UNITS
I_R V_R =Rated V_{RRM} 5.0	μΑ
I_R V_R =Rated V_{RRM} , T_A =125°C 125	μΑ
V_{F} $I_{F}=2.0A$ 1.1	V
t_{rr} $I_F=0.5A, I_R=1.0A, I_{rr}=0.25A$ 2.5	μs
C_J V_R =4.0V, f=1.0MHz 30	pF

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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	0.000	0.008	0.00	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	0.191	4.06	4.85			

SMB (REV: R2)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- · Inventory bonding
- · Consolidated shipping options

- · Custom bar coding for shipments
- · Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free guick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- · Custom electrical curves
- · Environmental regulation compliance
- · Customer specific screening
- · Up-screening capabilities

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
- 2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

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