

CMR2S-02
 CMR2S-04
 CMR2S-06

**SURFACE MOUNT SILICON
 SUPER FAST
 RECOVERY RECTIFIERS
 2.0 AMP, 200 THRU 600 VOLT**



www.centralemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMR2S-02, CMR2S-04, and CMR2S-06 are 2.0 Amp surface mount, super fast recovery silicon rectifiers designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

**MARKING CODES: CMR2S-02: CSF22
 CMR2S-04: CSF24
 CMR2S-06: CSF26**



SMB CASE

FEATURES:

- Super fast switching speed (30ns MAX)
- High reverse voltage
- Glass passivated chip
- “C” bend construction provides strain relief when mounted on pc board

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

	SYMBOL	CMR2S-02	CMR2S-04	CMR2S-06	UNITS
Peak Repetitive Reverse Voltage	V _R RRM	200	400	600	V
DC Blocking Voltage	V _R	200	400	600	V
RMS Reverse Voltage	V _R (RMS)	140	280	420	V
Average Forward Current (T _L =110°C)	I _O		2.0		A
Peak Forward Surge Current, tp=8.3ms	I _{FSM}		50		A
Operating and Storage Junction Temperature	T _J , T _{stg}		-65 to +150		°C
Thermal Resistance	θ _{JL}		20		°C/W

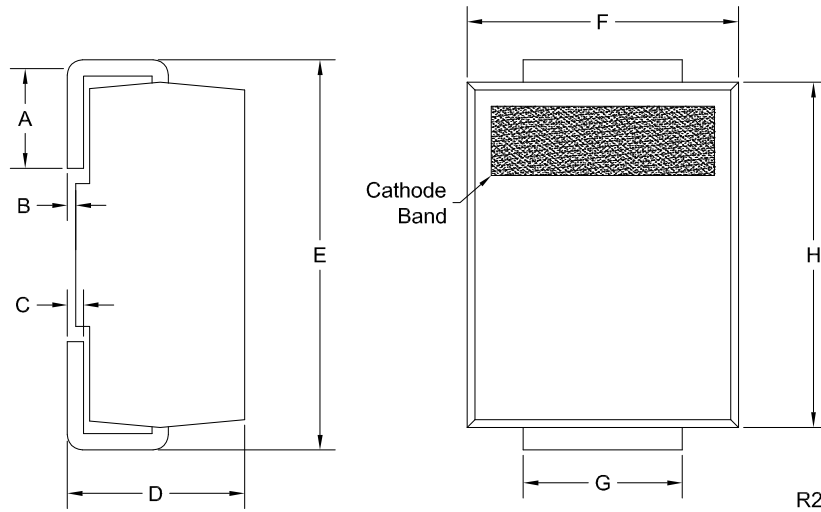
ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I _R	V _R =Rated V _R RRM		1.0	μA
I _R	V _R =Rated V _R RRM, T _A =100°C		150	μA
V _F	I _F =2.0A (CMR2S-02)	0.88	0.95	V
V _F	I _F =2.0A (CMR2S-04)	1.10	1.25	V
V _F	I _F =2.0A (CMR2S-06)	1.50	1.70	V
t _{rr}	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	23	30	ns
C _J	V _R =4.0V, f=1.0MHz (CMR2S-02)	25		pF
C _J	V _R =4.0V, f=1.0MHz (CMR2S-04)	17		pF
C _J	V _R =4.0V, f=1.0MHz (CMR2S-06)	13		pF

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SMB CASE - MECHANICAL OUTLINE



DEVICE	MARKING CODE
CMR2S-02	CSF22
CMR2S-04	CSF24
CMR2S-06	CSF26

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.030	0.060	0.76	1.52
B	0.000	0.008	0.00	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	0.191	4.06	4.85

SMB (REV: R2)

R4 (4-September 2018)

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 quick 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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