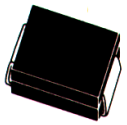
NEW

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

GENERAL PURPOSE RECTIFIER
2.0 AMP, 200 THRU 1,000 VOLTS



SMB CASE

Central™
Semiconductor Corp.

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

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 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.

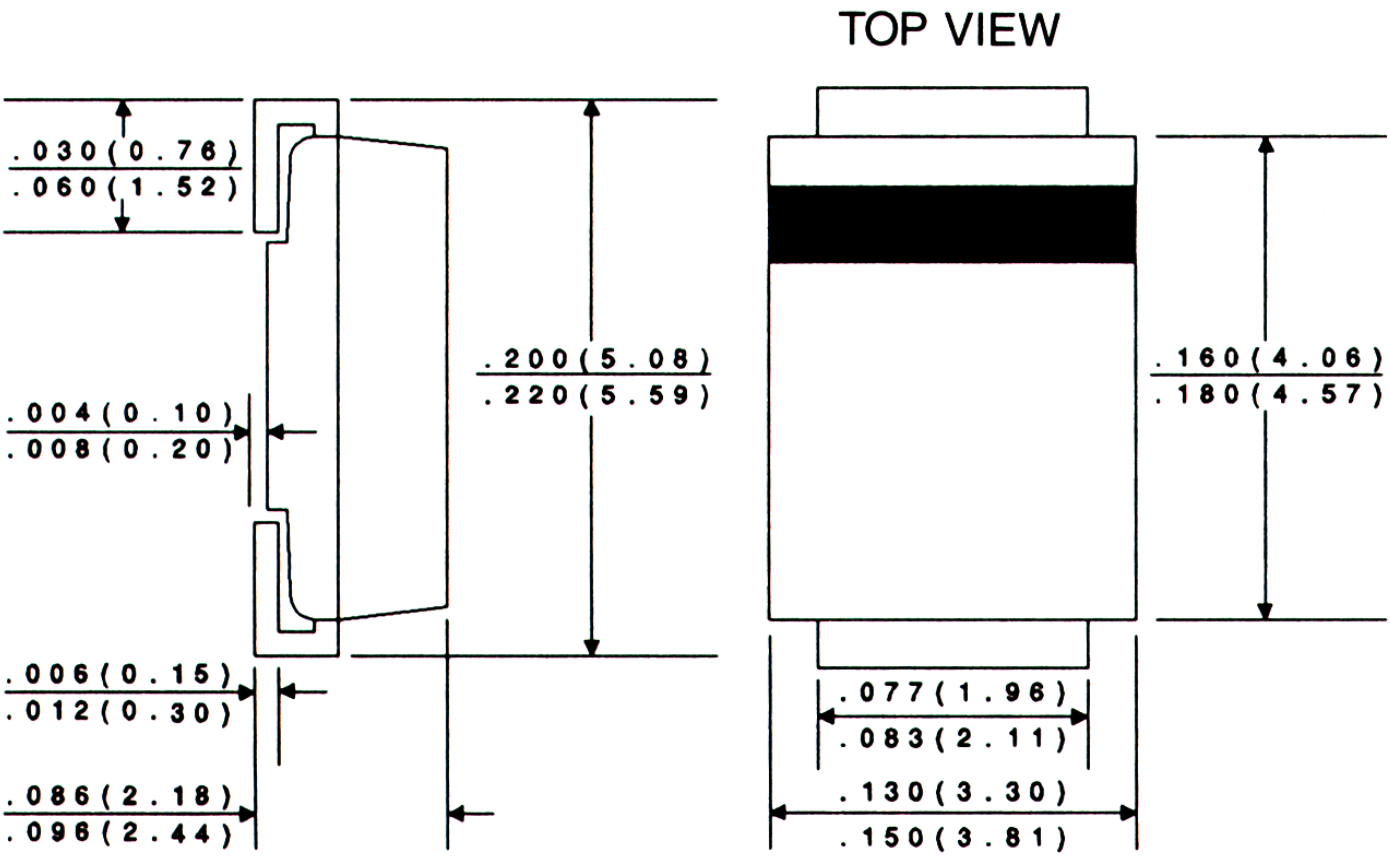
MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	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)	I_O		2.0			A
Peak Forward Surge Current (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	MIN	TYP	MAX	UNITS
V_F	I_F=2.0A			1.1	V
I_R	V_R=Rated V_{RRM}			0.5	μA
I_R	V_R=Rated V_{RRM}, T_A=125°C			125	μA
t_{rr}	I_F=0.5A, I_R=1.0A, Recover to 0.25A			2.5	μs
C_J	V_R=4.0V, f=1.0MHz		30		pF

All dimensions in inches (mm).



Marking Codes:

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

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