



CMR2U-01
 CMR2U-02
 CMR2U-04
 CMR2U-06

**ULTRA FAST RECOVERY RECTIFIER
 2.0 AMP, 100 THRU 600 VOLTS**



SMB CASE

CentralTM 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 Ultra Fast Recovery 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.

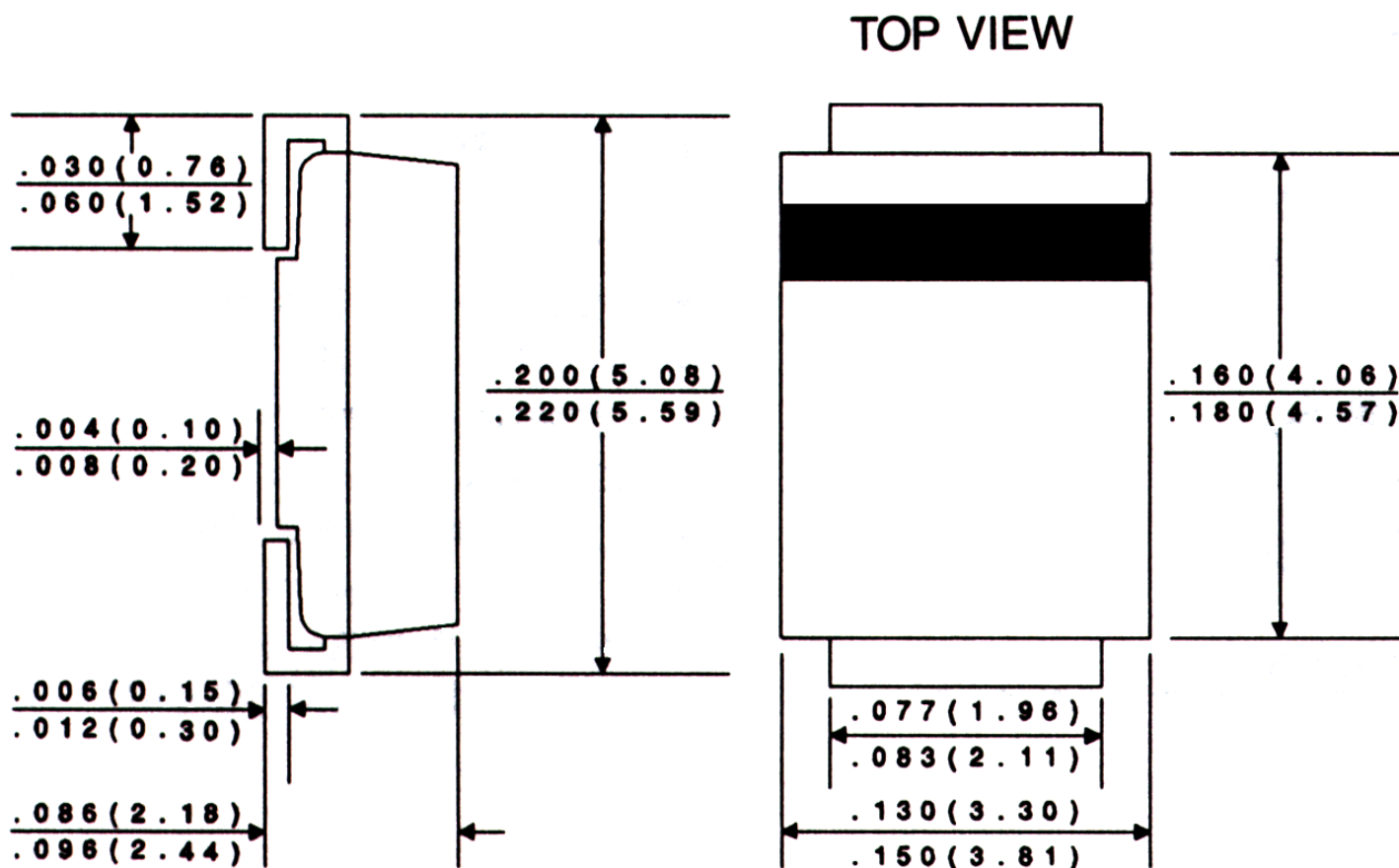
MAXIMUM RATINGS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL	CMR2U-01	CMR2U-02	CMR2U-04	CMR2U-06	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	V
DC Blocking Voltage	V_R	100	200	400	600	V
RMS Reverse Voltage	$V_{R(RMS)}$	70	140	280	420	V
Average Forward Current ($T_A=50^{\circ}\text{C}$)	I_O			2.0		A
Peak Forward Surge Current (8.3ms)	I_{FSM}			50		A
Operating and Storage						
Junction Temperature	T_J, T_{stg}		-65 to +150			$^{\circ}\text{C}$
Thermal Resistance	Θ_{JL}		20			$^{\circ}\text{C/W}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	$V_R=$ Rated V_{RRM}			10	μA
I_R	$V_R=$ Rated $V_{RRM}, T_A=100^{\circ}\text{C}$			50	μA
V_F	$I_F=2.0\text{A}$, (CMR2U-01, CMR2U-02)			1.00	V
V_F	$I_F=2.0\text{A}$, (CMR2U-04)			1.25	V
V_F	$I_F=2.0\text{A}$, (CMR2U-06)			1.40	V
t_{rr}	$I_F=0.5\text{A}, I_R=1.0\text{A}$, Recover to 0.25A			50	ns
C_J	$V_R=4.0\text{V}, f=1.0\text{MHz}$		50		pF

All dimensions in inches (mm).



Marking Codes:

DEVICE	MARKING CODE
CMR2U-01	CU201
CMR2U-02	CU202
CMR2U-04	CU204
CMR2U-06	CU206



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

LittleDiode.com

Looking forward to providing you with the best possible service.