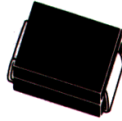




**CMSH2-20  
CMSH2-40  
CMSH2-60**

**SCHOTTKY BARRIER RECTIFIER  
2.0 AMP, 20 THRU 60 VOLTS**



**SMB CASE**

**Central™  
Semiconductor Corp.**

**FEATURES:**

- LOW COST
- SUPERIOR LOT TO LOT CONSISTENCY
- HIGH RELIABILITY
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD
- SPECIAL SELECTIONS AVAILABLE

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 2.0 Amp Surface Mount Silicon Schottky 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.

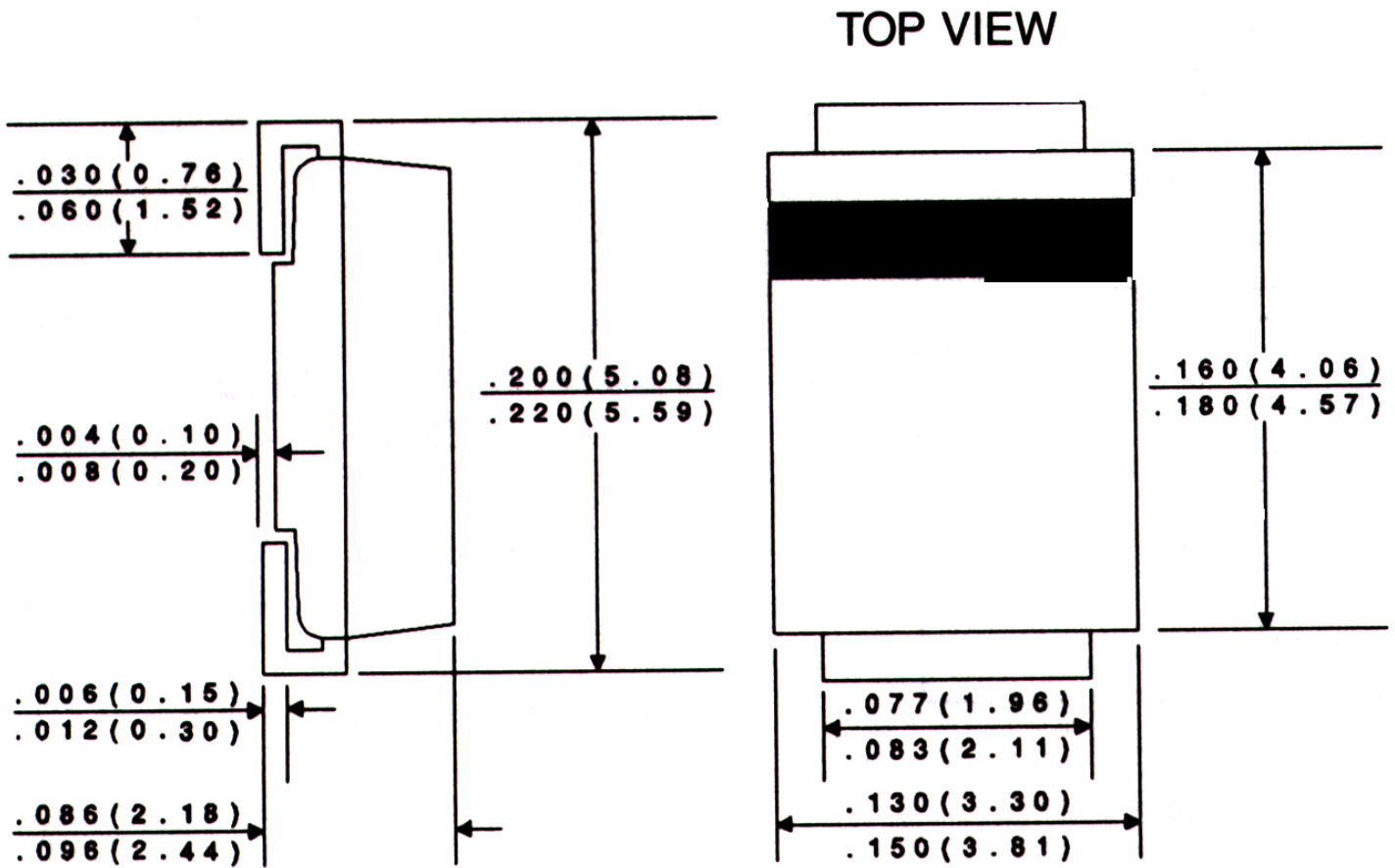
**MAXIMUM RATINGS:** ( $T_A=25^\circ\text{C}$  unless otherwise noted)

	SYMBOL	CMSH2 -20	CMSH2 -40	CMSH2 -60	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	20	40	60	V
DC Blocking Voltage	$V_R$	20	40	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	14	28	42	V
Average Forward Current ( $T_A=55^\circ\text{C}$ )	$I_O$		2.0		A
Peak Forward Surge Current (8.3ms)	$I_{FSM}$		30		A
Operating and Storage Junction Temperature	$T_J, T_{stg}$		-65 to +150		$^\circ\text{C}$
Thermal Resistance	$\Theta_{JL}$		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 $V_{RRM}$			0.50	mA
$I_R$	$V_R$ =Rated $V_{RRM}$ , $T_A=100^\circ\text{C}$			20	mA
$V_F$	$I_F=2.0\text{A}$ (CMSH2-20 AND CMSH2-40)			0.50	V
$V_F$	$I_F=2.0\text{A}$ (CMSH2-60)			0.70	V
$C_J$	$V_R=4.0\text{V}$ , $f=1.0\text{MHz}$ , (CMSH2-20 AND CMSH2-40)		150		pF
$C_J$	$V_R=4.0\text{V}$ , $f=1.0\text{MHz}$ , (CMSH2-60)		120		pF

All dimensions in inches (mm).



**Marking Codes:**

DEVICE	MARKING CODE
CMSH2-20	CS220
CMSH2-40	CS240
CMSH2-60	CS260