

**CMSH3-20
CMSH3-40
CMSH3-60**

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



SMC CASE

CentralTM
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 3.0 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 16mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

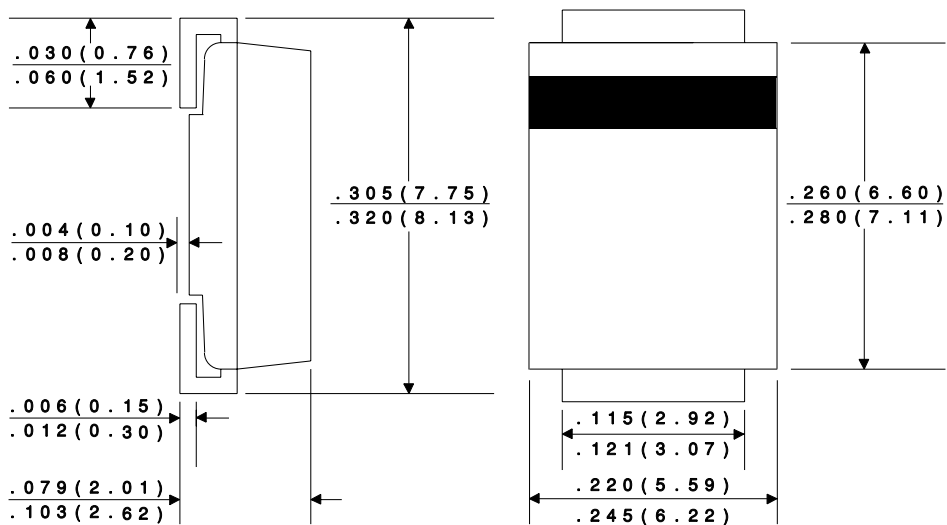
MAXIMUM RATINGS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL	CMSH3-20	CMSH3-40	CMSH3-60	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($T_A=75^{\circ}\text{C}$)	I_O		3.0		A
Peak Forward Surge Current (8.3ms)	I_{FSM}		150		A
Operating and Storage					
Junction Temperature	T_J, T_{stg}		-65 to +150		$^{\circ}\text{C}$
Thermal Resistance	θ_{JL}		10		$^{\circ}\text{C/W}$

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	$V_R=\text{Rated } V_{RRM}$			500	μA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=100^{\circ}\text{C}$			20	mA
V_F	$I_F=3.0\text{A (CMSH3-20 AND CMSH3-40)}$			0.50	V
V_F	$I_F=3.0\text{A (CMSH3-60)}$			0.70	V

All dimensions in inches (mm).



Marking Codes:

DEVICE	MARKING CODE
CMSH3-20	CS320
CMSH3-40	CS340
CMSH3-60	CS360