


[查询CMOSH3-20L供应商](#)
CMOSH3-20L
CMOSH3-40L
LOW FORWARD VOLTAGE
SCHOTTKY BARRIER RECTIFIER
3.0 AMP, 20 AND 40 VOLTS



SMC CASE

[捷多邦, 专业PCB打样工厂, 24小时加急出货](#)
Central
Semiconductor Corp.

FEATURES:

- LOW FORWARD VOLTAGE DROP
- FLAMMABILITY CLASSIFICATION UL94V-0
- HIGH CURRENT CAPABILITY
- SUPERIOR LOT TO LOT CONSISTENCY
- LOW COST
- “C” BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD
- HIGH RELIABILITY

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 3.0 Amp Surface Mount Low V_F 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 where high efficiency is required. 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)

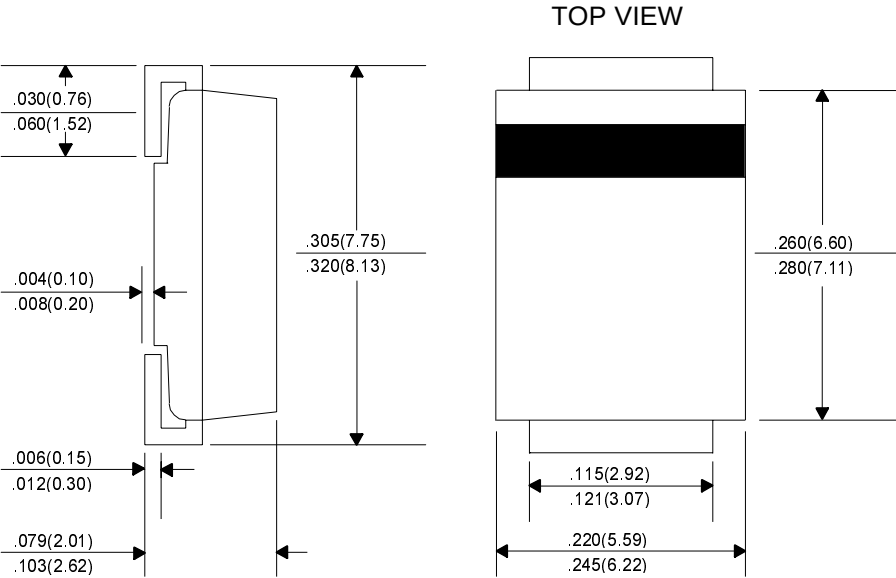
	SYMBOL	CMOSH3-20L	CMOSH3-40L	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	20	40	V
DC Blocking Voltage	V_R	20	40	V
RMS Reverse Voltage	$V_R(\text{RMS})$	14	28	V
Average Forward Current($T_L=75^{\circ}\text{C}$)	I_O	3.0		A
Peak Forward Surge Current (8.3ms)	I_{FSM}	100		A
Operating and Storage				
Junction 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	$V_R=\text{Rated } V_{RRM}$			0.50	mA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=100^{\circ}\text{C}$			20	mA
V_F	$I_F=3.0\text{A (CMOSH3-20L)}$			0.38	V
V_F	$I_F=3.0\text{A (CMOSH3-40L)}$			0.40	V
C_J	$V_R=4.0\text{V}, f=1.0\text{MHz}$		260		pF



All Dimensions in Inches (mm)



Marking Codes:

DEVICE	MARKING CODE
CMSH3-20L	CS320L
CMSH3-40L	CS340L