



## FEATURES:

- HIGH CURRENT CAPABILITY
- FLAMMABILITY CLASSIFICATION UL94V-0
- HIGH DENSITY, SUPER MINI DEVICE
- SUPERIOR LOT TO LOT CONSISTENCY
- LOW COST
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD
- HIGH RELIABILITY

## **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 (5000/13" Reel), add TR13 suffix to part number.

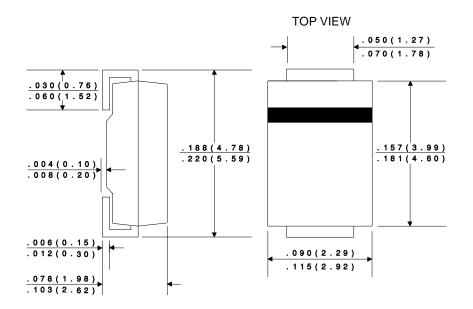
MAXIMUM RATINGS: (T<sub>A</sub>=25°C unless otherwise noted)

	SYMBOL	CMSH2 <u>-20M</u>	CMSH2 <u>-40M</u>	CMSH2 <u>-60M</u>	CMSH2 <u>-100M</u>	UNITS
Peak Repetitive Reverse Voltage	VRRM	20	40	60	100	V
DC Blocking Voltage	VR	20	40	60	100	V
RMS Reverse Voltage	VR(RMS)	14	28	42	71	V
Average Forward Current (TL=75° C)	IO		2	2.0		Α
Peak Forward Surge Current (8.3ms)	IFSM		ę	50		А
Operating and Storage						
Junction Temperature	TJ,Tstg		-65 to	+150		°C
Thermal Resistance	Θ၂		30	)		°C/W

## ELECTRICAL CHARACTERISTICS: (TA=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
IR	VR=Rated VRRM			0.50	mA
IR	V <sub>R</sub> =Rated V <sub>RRM</sub> , T <sub>A</sub> =100°C			20	mA
٧F	IF=2.0A (CMSH2-20M AND CMSH2-40M)			0.55	V
٧F	IF=2.0A (CMSH2-60M)			0.70	V
٧F	IF=2.0A (CMSH2-100M)			0.85	V
Сј	V <sub>R</sub> =4.0V, f=1.0MHz, (CMSH2-20M AND CMSH2-40M)		150		pF
Сј	V <sub>R</sub> =4.0V, f=1.0MHz, (CMSH2-60M AND CMSH2-100M)		120		pF

All Dimensions in Inches (mm).



## Marking Codes:

DEVICE	MARKING CODE		
CMSH2-20M	CS220M		
CMSH2-40M	CS240M		
CMSH2-60M	CS260M		
CMSH2-100M	CS2100M		