





## **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.

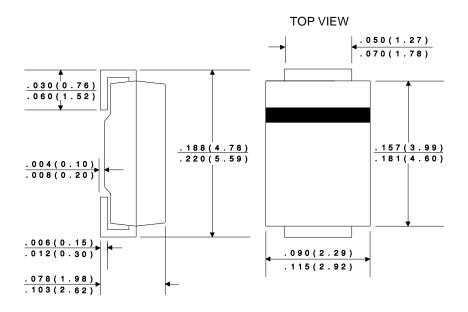
**MAXIMUM RATINGS:** (T<sub>A</sub>=25°C unless otherwise noted)

	SYMBOL	CMSH2 -20M	CMSH2 -40M	CMSH2 -60M	CMSH2 -100M	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	20	40	60	100	V
DC Blocking Voltage	$V_{R}$	20	40	60	100	V
RMS Reverse Voltage	VR(RMS)	14	28	42	71	V
Average Forward Current (T <sub>L</sub> =75° C)	lo`		2	2.0		Α
Peak Forward Surge Current (8.3ms)	IFSM		į	50		Α
Operating and Storage						
Junction Temperature	TJ,Tstg		-65 to	+150		°C
Thermal Resistance	ΘJL		30	)		°C/W

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
$I_{R}$	V <sub>R</sub> =Rated V <sub>RRM</sub>			0.50	mA
$I_{R}$	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
СJ	V <sub>R</sub> =4.0V, f=1.0MHz, (CMSH2-20M AND CMSH2-40M)		150		pF
СJ	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