



CMSSH2-20M

CMSSH2-40M

CMSSH2-60M

CMSSH2-100M

**HIGH DENSITY
SCHOTTKY BARRIER RECTIFIER
2.0 AMP, 20 THRU 100 VOLTS**

HIGH DENSITY
S C H O T T K Y



SMA CASE

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.

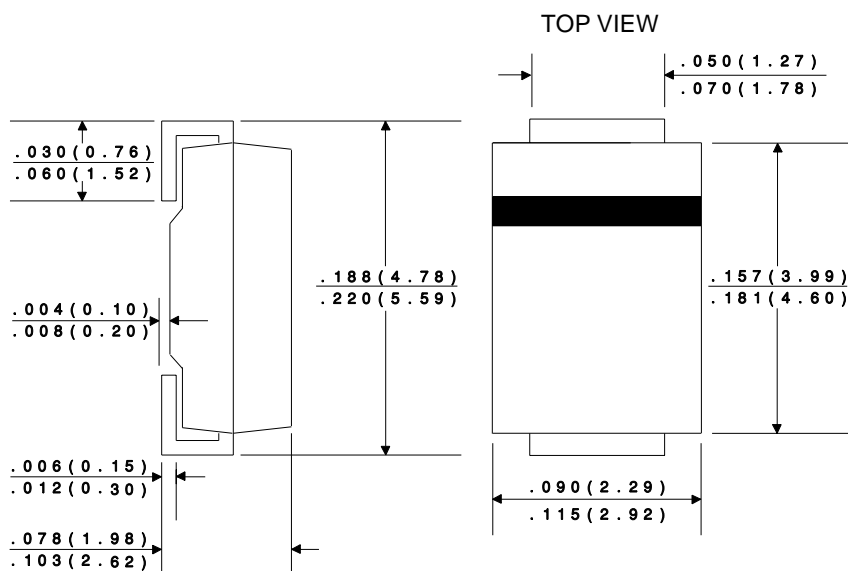
MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL	CMSSH2 -20M	CMSSH2 -40M	CMSSH2 -60M	CMSSH2 -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	V _{R(RMS)}	14	28	42	71	V
Average Forward Current (T _L =75° C)	I _O			2.0		A
Peak Forward Surge Current (8.3ms)	I _{FSM}			50		A
Operating and Storage						
Junction Temperature	T _J , T _{stg}		-65 to +150			°C
Thermal Resistance	θ _{JL}		30			°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°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°C			20	mA
V _F	I _F =2.0A (CMSSH2-20M AND CMSSH2-40M)			0.55	V
V _F	I _F =2.0A (CMSSH2-60M)			0.70	V
V _F	I _F =2.0A (CMSSH2-100M)			0.85	V
C _J	V _R =4.0V, f=1.0MHz, (CMSSH2-20M AND CMSSH2-40M)		150		pF
C _J	V _R =4.0V, f=1.0MHz, (CMSSH2-60M AND CMSSH2-100M)		120		pF

All Dimensions in Inches (mm).



Marking Codes:

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