





FEATURES:

- EXTREMELY LOW FORWARD VOLTAGE DROP
- SUPERIOR LOT TO LOT CONSISTENCY
- HIGH RELIABILITY
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD
- LOW COST

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMSH1-20ML Series are Surface Mount Silicon Schottky Rectifiers designed for applications were extremely low forward voltage drop is required. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

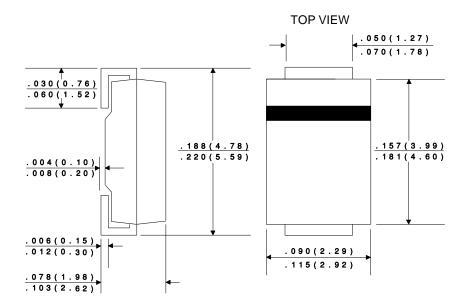
MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL	CMSH1-20ML	CMSH1-40ML	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	20	40	V
DC Blocking Voltage	V_{R}	20	40	V
RMS Reverse Voltage	VR(RMS)	14	28	V
Average Forward Current	IO	1.	0	Α
Peak Forward Surge Current (8.3ms)	IFSM	3	0	Α
Operating and Storage				
Junction Temperature	T_J, T_stg	-65 to	+150	°C
Thermal Resistance	Θ JL	2	8	°C/W
Thermal Resistance	$\Theta_{\sf JA}$	8	8	°C/W

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_{R}	V _R =Rated V _{RRM}			0.5	mA
IR	V _R = Rated V _{RRM} , T _C =100°C			20	mA
٧F	I _F =1.0A (CMSH1-20ML)			0.38	V
٧F	I _F =1.0A (CMSH1-40ML)			0.40	V

All Dimensions in Inches (mm).



DEVICE	MARKING CODE		
CMSH1-20ML	CS20ML		
CMSH1-40ML	CS40ML		