

V<sub>R</sub>=4.0V, f=1.0MHz (CMSH1-60M)

V<sub>R</sub>=4.0V, f=1.0MHz (CMSH1-100M)

CMSH1-20M CMSH1-60M CMSH1-40M CMSH1-100M

#### FEATURES:

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- · High reliability
- · Special selections available



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# **DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CMSH1-20M series 1.0 Amp surface mount silicon Schottky rectifier is a well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

# MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE

MAXIMUM R	ATINGS: (T <sub>A</sub> =25°C unless otherwise	e noted) SYMBOL	CMSH1 -20M	CMSH1 -40M	CMSH1 -60M	CMSH1 -100M	UNITS
Peak Repetit	ive Reverse Voltage	VRRM	20	40	60	100	V
DC Blocking Voltage		VR	20	40	60	100	V
RMS Reverse Voltage		V <sub>R(RMS)</sub>	14	28	42	70	V
Average Forward Current (T <sub>L</sub> =75°C)		IO	1.0	1.0			А
Average Forward Current (T <sub>L</sub> =100°C)		IO			1.0	1.0	А
Peak Forward Surge Current, tp=8.3ms		IFSM		3	0		А
Operating and Storage Junction Temperature		TJ, Tstg		-65 to	+150		°C
Thermal Res	istance	$\Theta_{JL}$		3	0		°C/W
ELECTRICA	L CHARACTERISTICS: (T <sub>A</sub> =25°C ur	nless otherwis	e noted)				
SYMBOL	TEST CONDITIONS		TYP		AX	UNITS	
IR	V <sub>R</sub> =Rated V <sub>RRM</sub>			0.		mA	
IR	V <sub>R</sub> =Rated V <sub>RRM,</sub> T <sub>A</sub> =100°C			1	0	mA	
VF	I <sub>F</sub> =1.0A (CMSH1-20M, -40M)			0.	50	V	
VF	I <sub>F</sub> =1.0A (CMSH1-60M)			0.	70	V	
VF	I <sub>F</sub> =1.0A (CMSH1-100M)			0.8	85	V	
СЈ	V <sub>R</sub> =4.0V, f=1.0MHz (CMSH1-20M,	-40M)	100			pF	

80

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R6 (6-May 2015)

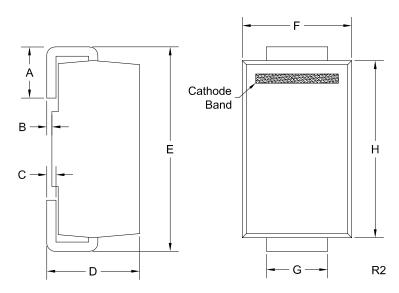
pF

pF



CMSH1-20M CMSH1-60M CMSH1-40M CMSH1-100M

SURFACE MOUNT SILICON SCHOTTKY RECTIFIERS 1.0 AMP, 20 THRU 100 VOLT



## SMA CASE - MECHANICAL OUTLINE

DEVICE	MARKING CODE
CMSH1-20M	CS20M
CMSH1-40M	CS40M
CMSH1-60M	CS60M
CMSH1-100M	CS100M

DIMENSIONS									
	INCHES		MILLIMETERS						
SYMBOL	MIN	MAX	MIN	MAX					
A	0.030	0.060	0.76	1.52					
В	0.004	0.008	0.10	0.20					
С	0.006	0.012	0.15	0.30					
D	0.078	0.103	1.98	2.62					
E	0.188	0.220	4.78	5.59					
F	0.090	0.115	2.29	2.92					
G	0.050	0.070	1.27	1.78					
Н	0.157	0.181	3.99	4.60					
SMA (REV: R2)									

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CMSH1-20M CMSH1-60M CMSH1-40M CMSH1-100M



SURFACE MOUNT SILICON SCHOTTKY RECTIFIERS 1.0 AMP, 20 THRU 100 VOLT

### SERVICES

- · Bonded Inventory
- Custom Electrical Screening
- Custom Electrical Characteristic Curves
- SPICE Models
- Custom Packaging
- Package Base Options
- Custom Device Development/Multi Discrete Modules (MDM™)
- Bare Die Available for Hybrid Applications

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