CMSH1-40HE CMSH1-100HE CMSH1-60HE CMSH1-80HE CMSH1-200HE

CMSHI-00HE CMSHI-200HE

SURFACE MOUNT SILICON SCHOTTKY RECTIFIERS 1.0 AMP, 40 THRU 200 VOLT



www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMSH1-40HE series 1.0 Amp surface mount silicon Schottky rectifier is a highly efficiency component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE



FEATURES:

- · High reliability
- · High efficiency Schottky rectifier
- 40V to 200V range

- · Low leakage current
- Low V_F

MAXIMUM RATINGS: (T _A =25°C unless otherwise noted)			CMSH1					
	SYMBOL	-40HE	-60HE	-80HE	-100HE	-150HE	-200HE	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	40	60	80	100	150	200	V
DC Blocking Voltage	V_{R}	40	60	80	100	150	200	V
RMS Reverse Voltage	V _R (RMS)	28	42	56	70	105	140	V
Average Forward Current	IO			1	.0			Α
Peak Forward Surge Current, tp=8.3ms	^I FSM			3	80			Α
Operating and Storage Junction Temperature	T _J , T _{stg}			-65	to +150			°C
Thermal Resistance	Θπ			3	80			°C/W

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

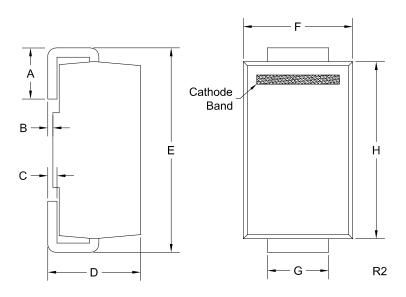
SYMBOL	TEST CONDITIONS	MAX	UNITS
I_R	V _R =Rated V _{RRM}	50	μΑ
I_{R}	V _R =Rated V _{RRM} , T _A =100°C	20	mA
V_{F}	I _F =1.0A (CMSH1-40HE)	0.70	V
V_{F}	I _F =1.0A (CMSH1-60HE)	0.74	V
V_{F}	I _F =1.0A (CMSH1-80HE, -100HE)	0.80	V
VF	I _F =1.0A (CMSH1-150HE, -200HE)	0.90	V

CMSH1-40HE CMSH1-100HE CMSH1-60HE CMSH1-200HE CMSH1-200HE

SURFACE MOUNT SILICON SCHOTTKY RECTIFIERS 1.0 AMP, 40 THRU 200 VOLT



SMA CASE - MECHANICAL OUTLINE



DEVICE	MARKING CODE		
CMSH1-40HE	CS40HE		
CMSH1-60HE	CS60HE		
CMSH1-80HE	CS80HE		
CMSH1-100HE	CS100HE		
CMSH1-150HE	CS150HE		
CMSH1-200HE	CS200HE		

DIMENSIONS					
	INC	HES	MILLIMETERS		
SYMBOL	MIN	MAX	MIN	MAX	
Α	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)

CMSH1-40HE CMSH1-100HE CMSH1-60HE CMSH1-150HE CMSH1-200HE

OUDEAGE MOUNT OF LOOK



SURFACE MOUNT SILICON SCHOTTKY RECTIFIERS 1.0 AMP, 40 THRU 200 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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Buyer understands and agrees that the foregoing liability limitations are essential elements of a purchase order or contract and that in the absence of such limitations, the material and economic terms of the purchase order or contract would be substantially different.

R2 (6-May 2015)