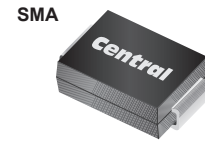


**CMSH1-40HE** | **CMSH1-100HE**  
**CMSH1-60HE** | **CMSH1-150HE**  
**CMSH1-80HE** | **CMSH1-200HE**



## 1.0A, 40V thru 200V Schottky Rectifiers in the SMA package

Central Semiconductor's CMSH1-40HE series of high efficiency 1.0 Amp surface mount Schottky Rectifiers provides high reverse voltage capability for use in all types of commercial, industrial, entertainment, computer, and automotive applications where energy conservation is a key design element.

### Features:

- High reverse voltage capability
- Low forward voltage
- Low leakage current
- High surge capability
- Lead construction provides superior strain relief

### Applications:

- DC-DC conversion
- Solid State Lighting (SSL)
- Reverse polarity protection

### Benefits:

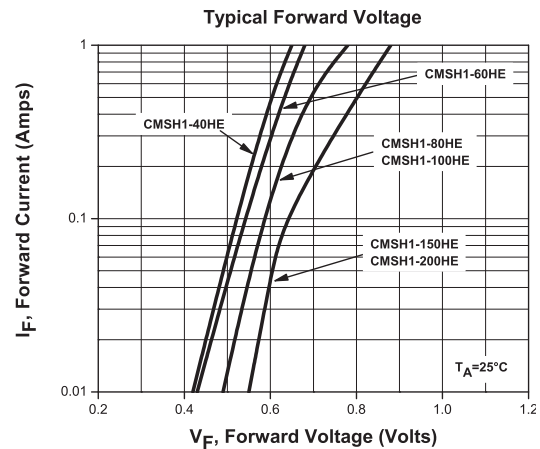
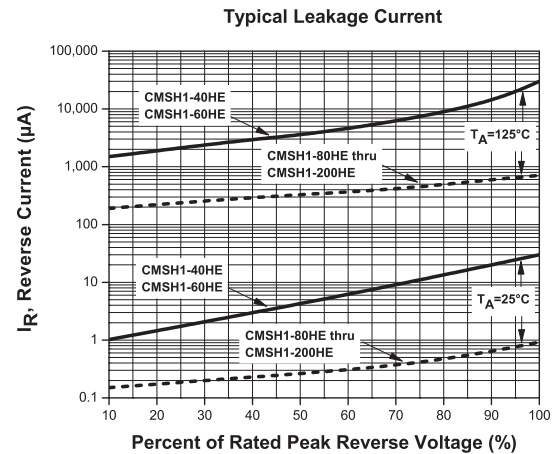
- Low total conduction losses
- Industry standard SMA (DO-214AC) package
- Space saving

### Samples:



To order samples of these devices visit:  
[www.centrasemi.com/info/CMSH1](http://www.centrasemi.com/info/CMSH1)

## Typical Electrical Characteristics

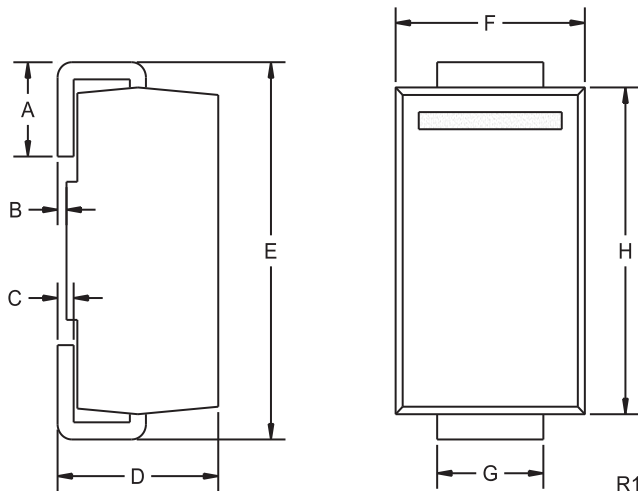


	Electrical Characteristics Per Rectifier: (TA = 25°C unless otherwise noted)						Thermal Characteristics	
	VRRM (V) MAX	IO (A)	VF (V) MAX	@ IF (A)	IR MAX	@ VR (V)	TJ, Tstg (°C) MAX	IFSM (A) MAX
CMSH1-40HE	40	1.0	0.70	1.0	50µA 20mA	40 40 (TA=100°C)	-65 to +150	30
CMSH1-60HE	60	1.0	0.74	1.0	50µA 20mA	60 60 (TA=100°C)	-65 to +150	30
CMSH1-80HE	80	1.0	0.80	1.0	50µA 20mA	80 80 (TA=100°C)	-65 to +150	30
CMSH1-100HE	100	1.0	0.80	1.0	50µA 20mA	100 100 (TA=100°C)	-65 to +150	30
CMSH1-150HE	150	1.0	0.90	1.0	50µA 20mA	150 150 (TA=100°C)	-65 to +150	30
CMSH1-200HE	200	1.0	0.90	1.0	50µA 20mA	200 200 (TA=100°C)	-65 to +150	30

**CMSH1-40HE** | **CMSH1-100HE**  
**CMSH1-60HE** | **CMSH1-150HE**  
**CMSH1-80HE** | **CMSH1-200HE**

**1.0A, 40V thru 200V**  
**Schottky Rectifiers**  
**in the SMA package**

**Mechanical Drawing - SMA**

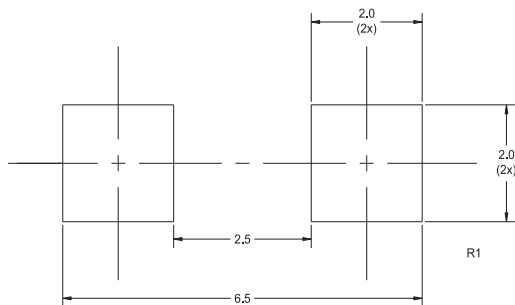


SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.030	0.060	0.76	1.52
B	0.004	0.008	0.10	0.20
C	0.006	0.012	0.15	0.30
D	0.078	0.103	1.98	2.62
E	0.188	0.220	4.78	5.59
F	0.090	0.115	2.29	2.92
G	0.050	0.070	1.27	1.78
H	0.157	0.181	3.99	4.60

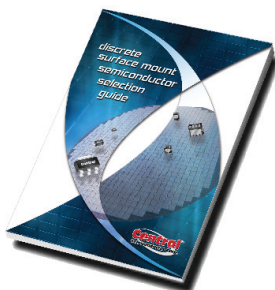
SMA (REV: R1)

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

**Mounting Pad Geometry**  
(Dimensions in mm)



**Literature**

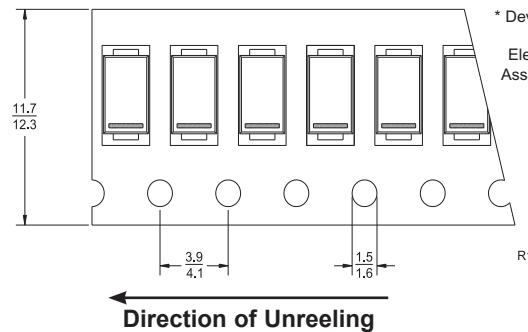


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**Tape Dimensions and Orientation**  
(Dimensions in mm)

Tape Width: 12mm



\* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

**Packaging Base / Ordering Information**

Reel Size	Quantity	Central Item No.
13"	5,000 pcs.	CMSH1-40HE TR
		CMSH1-60HE TR
		CMSH1-80HE TR
		CMSH1-100HE TR
		CMSH1-150HE TR
		CMSH1-200HE TR

**Reel Packing Information**

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
13"	5	25,000	15x4x15	38x10x38	9	5
	14	70,000	15x15x9	38x38x23	23	11
	26	130,000	15x15x18	38x38x46	42	20



For further information contact:  
Sales at Central Semiconductor Corp.  
(631) 435-1110 or visit:  
[www.centrasemi.com](http://www.centrasemi.com)