

PRODUCT BRIEF



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

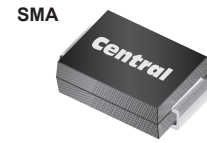
Benefits:

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

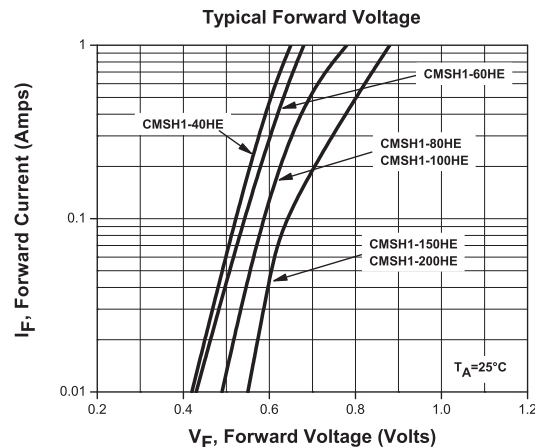
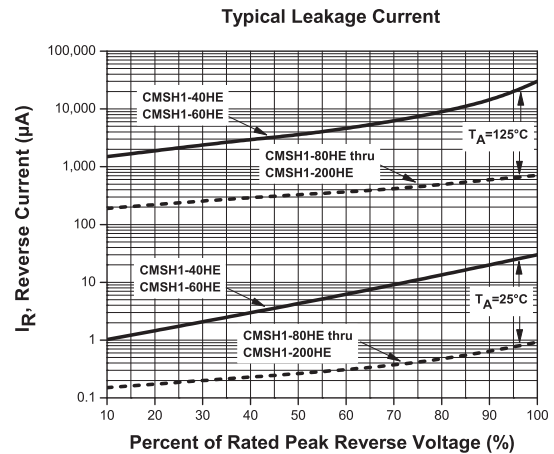
Samples:



To order samples of these devices visit:
www.centrasemi.com/info/CMSH1



Typical Electrical Characteristics

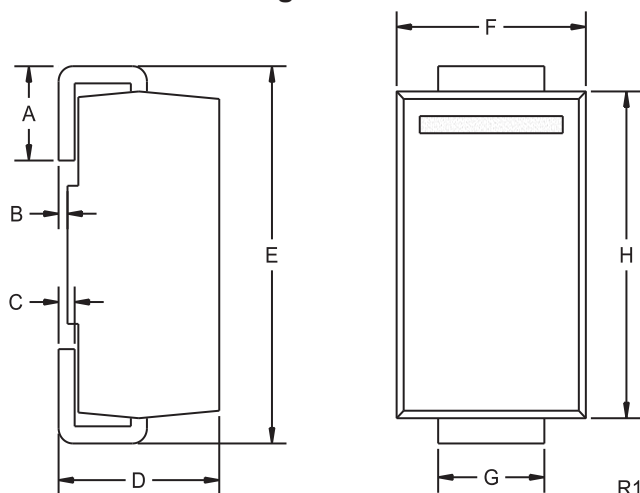


	Electrical Characteristics Per Rectifier: (T _A = 25°C unless otherwise noted)						Thermal Characteristics	
	V _{RRM}	I _O	V _F	@ I _F	I _R	@ V _R	T _J , T _{stg}	I _{FSM}
	(V) MAX	(A)	(V) MAX	(A)	MAX	(V)	(°C) MAX	(A) MAX
CMSH1-40HE	40	1.0	0.70	1.0	50µA 20mA	40 40 (T _A =100°C)	-65 to +150	30
CMSH1-60HE	60	1.0	0.74	1.0	50µA 20mA	60 60 (T _A =100°C)	-65 to +150	30
CMSH1-80HE	80	1.0	0.80	1.0	50µA 20mA	80 80 (T _A =100°C)	-65 to +150	30
CMSH1-100HE	100	1.0	0.80	1.0	50µA 20mA	100 100 (T _A =100°C)	-65 to +150	30
CMSH1-150HE	150	1.0	0.90	1.0	50µA 20mA	150 150 (T _A =100°C)	-65 to +150	30
CMSH1-200HE	200	1.0	0.90	1.0	50µA 20mA	200 200 (T _A =100°C)	-65 to +150	30

CM SH1-40HE CM SH1-60HE CM SH1-80HE CM SH1-100HE CM SH1-150HE CM SH1-200HE

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

Mechanical Drawing - SMA

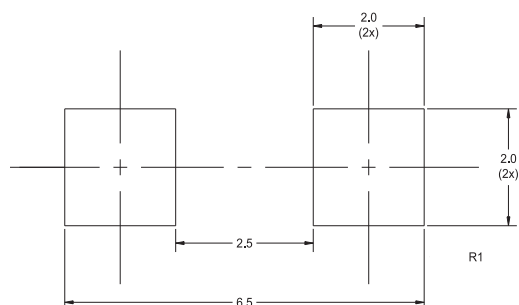


SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.030	0.060	0.76	1.52
B	0.004	0.008	0.10	0.20
C	0.006	0.012	0.15	0.30
D	0.078	0.103	1.98	2.62
E	0.188	0.220	4.78	5.59
F	0.090	0.115	2.29	2.92
G	0.050	0.070	1.27	1.78
H	0.157	0.181	3.99	4.60

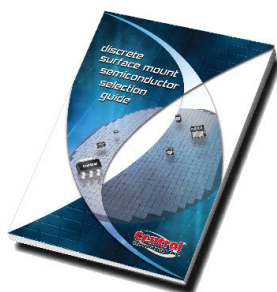
SMA (REV: R1)

DEVICE	MARKING CODE
CM SH1-40HE	CS40HE
CM SH1-60HE	CS60HE
CM SH1-80HE	CS80HE
CM SH1-100HE	CS100HE
CM SH1-150HE	CS150HE
CM SH1-200HE	CS200HE

Mounting Pad Geometry (Dimensions in mm)



Literature

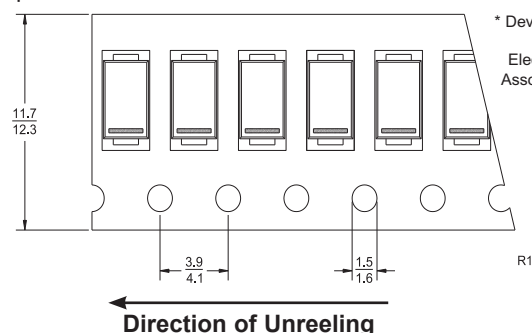


New
SMD
SELECTION
GUIDE

Order your selection guide today.
Visit: web.centrasemi.com/search/sample.php

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.	CM SH1-40HE TR
		CM SH1-60HE TR
		CM SH1-80HE TR
		CM SH1-100HE TR
		CM SH1-150HE TR
		CM SH1-200HE 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

Central™
Semiconductor Corp. Innovative Discrete Semiconductors

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

145 Adams Avenue • Hauppauge • New York • 11788 • USA • Tel:(631) 435-1110 • Fax:(631) 435-1824

PB CM SH1-40HE Series