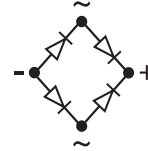
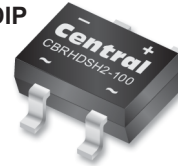


# CBRHDSH2-100

## 2.0A, 100V Schottky Bridge Rectifier

HD DIP

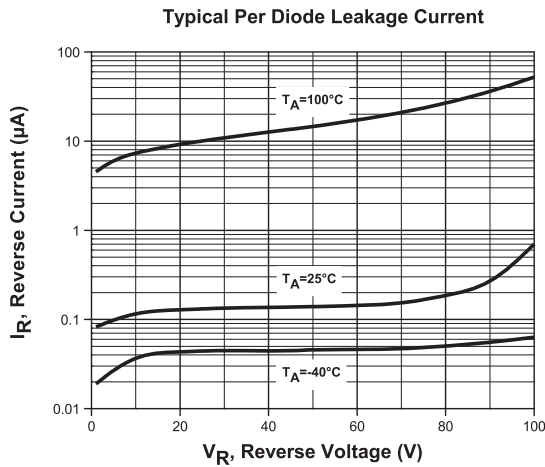


Marking Code:  
CSH10

The CBRHDSH2-100 Schottky Bridge Rectifier packaged in the HD DIP case is an outstanding new energy efficient device and has a low reverse leakage current of 0.7µA. This device addresses the need for a space saving 2A, 100V full wave bridge rectifier essential for today's power management, solid state lighting, and power over ethernet applications.

### Features

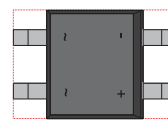
- Space Saving
- Low Leakage Current (0.7µA TYP @  $V_R=100V$ )
- RoHS Compliant/ Pb Free/  
*Halogen Free* by design



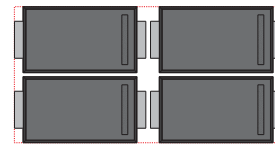
### Package Comparison

#### Space Saving

Utilizes 50% less board space.  
Compared with four SMA devices



HD DIP package



4 SMA packages

### Samples

To order samples of this device visit:  
[www.centrasemi.com/info/CBRHDSH2-100](http://www.centrasemi.com/info/CBRHDSH2-100)



### Applications

Ideal for a broad range of applications:

- Power Management
- Solid State Lighting
- Power over Ethernet (PoE)

### Literature



Order your selection guides today.  
Visit: [web.centrasemi.com/search/sample.php](http://web.centrasemi.com/search/sample.php)

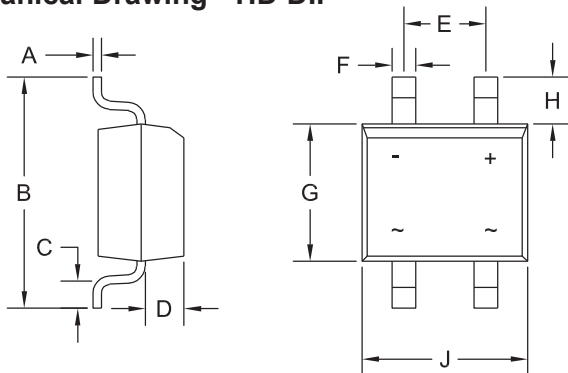
### Selection Guide

$T_A=25^\circ C$

#### Electrical Characteristics

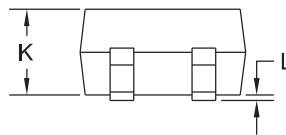
Part No.	$V_{RRM}$	$I_O$	$V_F$	@ $I_F$	$I_R$	@ $V_R$	$C_J$	@ $V_R$	$I_{FSM}$
	(V) MAX	(A) MAX	(V) TYP	(A)	(µA) TYP	(V)	(pF) MAX	(V)	(A) MAX
CBRHDSH2-100	100	2.0	0.61 0.70 0.77	0.5 1.0 2.0	0.7 4.0 MAX	100	250	4.0	50

## Mechanical Drawing - HD DIP



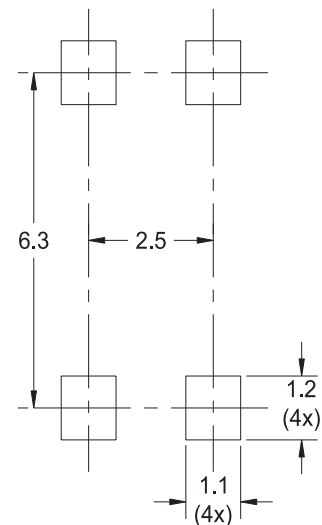
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.006	0.014	0.15	0.35
B	-	0.275	-	7.00
C	0.027	0.043	0.70	1.10
D	0.035	0.051	0.90	1.30
E	0.090	0.106	2.30	2.70
F	0.019	0.031	0.50	0.80
G	0.150	0.165	3.80	4.20
H	0.051	0.067	1.30	1.70
J	0.177	0.193	4.50	4.90
K	0.090	0.106	2.30	2.70
L	0.000	0.008	0.00	0.20

HD DIP (REV: R2)



R2

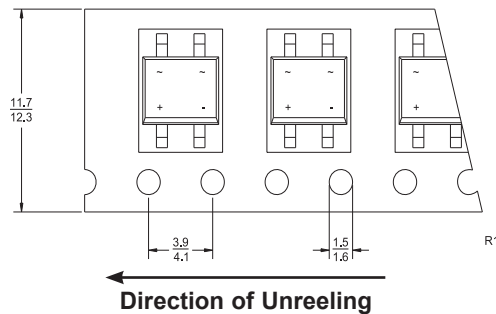
## Mounting Pad Geometry (Dimensions in mm)



R1

## Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 12mm



\* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-2-A

Direction of Unreeling

R1

## Packaging Base

13" Reel = 3,000 pcs. (add TR13 suffix to part number)  
Bulk = 350 pcs. (add BK suffix to part number)

## Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
13"	2	6,000	15x2x15	39x5x39	4	2
	5	15,000	15x4x15	39x11x39	9	4
	14	42,000	15x15x9	39x39x23	25	12
	26	78,000	15x15x18	39x39x46	46	21

Sample devices available upon request. To order samples of this device visit: [www.centrasemi.com/info/CBRHDSH2-100](http://www.centrasemi.com/info/CBRHDSH2-100)



**Innovative Discrete Semiconductors**

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

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