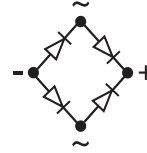
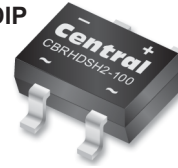


CBRHDSH2-100

2.0A, 100V Schottky Bridge Rectifier

HD DIP

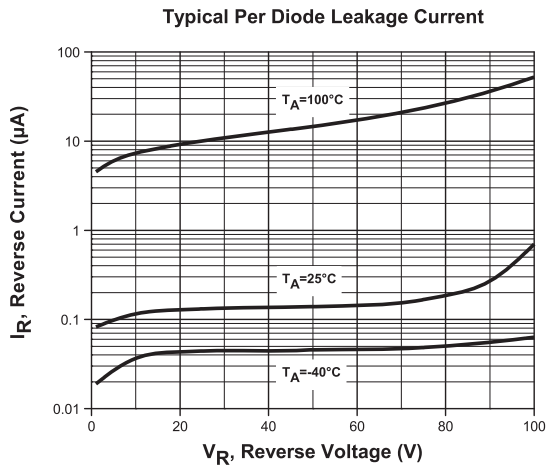


Marking Code:
CSH10

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 0.7 μ A. 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

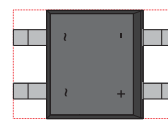
- Space Saving
- Low Leakage Current (0.7 μ A TYP @ $V_R=100V$)
- RoHS Compliant/ Pb Free/
Halogen Free by design



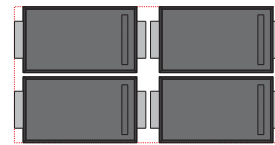
Package Comparison

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



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

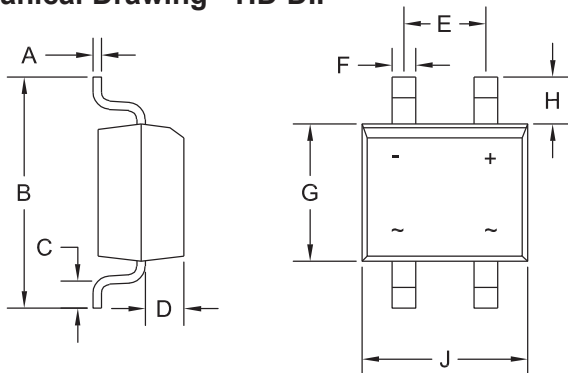
Selection Guide

$T_A=25^\circ\text{C}$

Electrical Characteristics

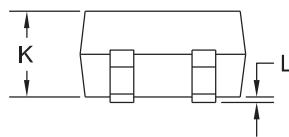
Part No.	V_{RRM}	I_O	V_F	@ I_F	I_R	@ V_R	C_J	@ V_R	I_{FSM}
	(V) MAX	(A) MAX	(V) TYP	(A)	(μ A) TYP	(V)	(pF) MAX	(V)	(A) MAX
CBRHDSH2-100	100	2.0	0.61 0.70 0.77	0.5 1.0 2.0	0.7 4.0 MAX	100	250	4.0	50

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

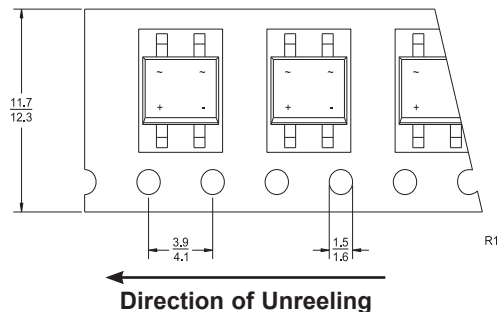
HD DIP (REV: R2)



R2

Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 12mm

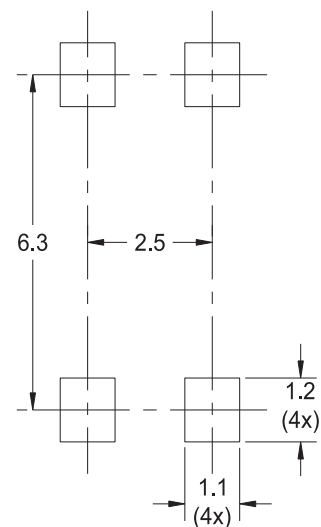


* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-2-A

R1

Direction of Unreeiling

Mounting Pad Geometry (Dimensions in mm)



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



Innovative Discrete Semiconductors

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