

Excellent Integrated System Limited

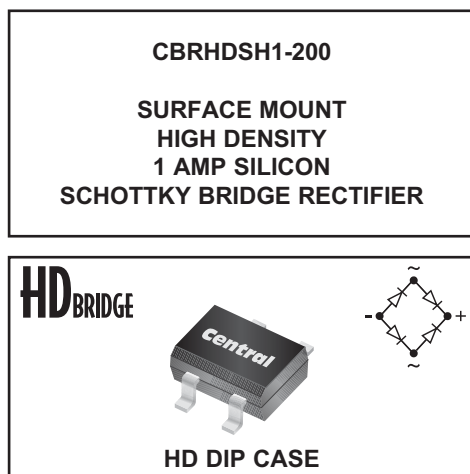
Stocking Distributor

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[Central Semiconductor Corp](#)
[CBRHDSH1-200 TR13](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBRHDSH1-200 is a full wave bridge rectifier in a durable surface mount epoxy molded case, designed for high voltage full wave rectification applications. The molding compound used in this device has UL flammability classification 94V-O.

MARKING CODE: CSH120

FEATURES:

- Low forward voltage (0.76V TYP @ 1.0A)
- Low leakage current (0.2μA TYP @ 200V)
- High current rating: 1.0A
- High voltage rating: 200V

APPLICATIONS:

- Input rectification for LED lighting
- Power over ethernet (PoE) peripherals
- General purpose full wave rectification

MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

Peak Repetitive Reverse Voltage

DC Blocking Voltage

RMS Reverse Voltage

Average Forward Current

Peak Forward Surge Current

Power Dissipation

Operating Junction Temperature

Storage Temperature

Thermal Resistance

SYMBOL

V_{RRM}

200

UNITS

V

V_R

200

V

V_{R(RMS)}

140

V

I_O

1.0

A

I_{FSM}

20

A

P_D

1.2

W

T_J

-50 to +125

°C

T_{stg}

-50 to +150

°C

Θ_{JA}

85

°C/W

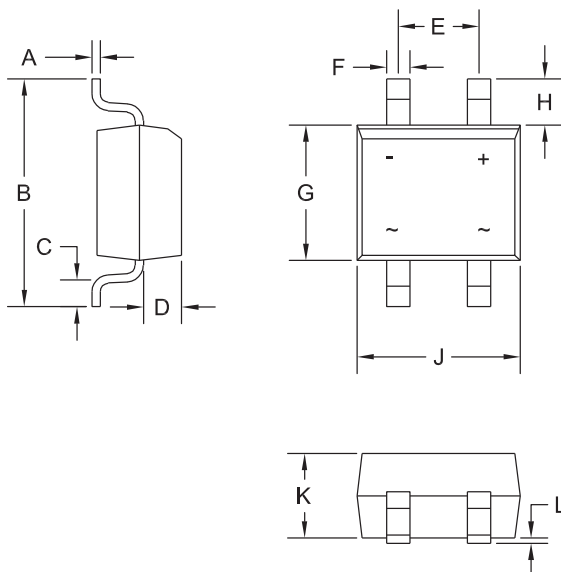
ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =200V		0.2	50	μA
I _R	V _R =200V, T _A =100°C			20	mA
BV _R	I _R =100μA	200	220		V
V _F	I _F =1.0A		760	900	mV

CBRHDSH1-200
SURFACE MOUNT
HIGH DENSITY
1 AMP SILICON
SCHOTTKY BRIDGE RECTIFIER



HD DIP CASE - MECHANICAL OUTLINE



R2

DIMENSIONS				
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)

MARKING CODE: CSH120

R1 (5-January 2012)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

CONTACT US

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