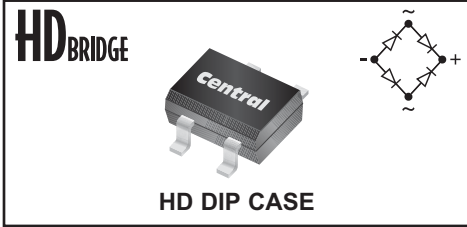


CBRHDSH1-200
SURFACE MOUNT
HIGH DENSITY
1 AMP SILICON
SCHOTTKY BRIDGE RECTIFIER



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)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _R RM	200	V
DC Blocking Voltage	V _R	200	V
RMS Reverse Voltage	V _R (RMS)	140	V
Average Forward Current	I _O	1.0	A
Peak Forward Surge Current	I _{FSM}	20	A
Power Dissipation	P _D	1.2	W
Operating Junction Temperature	T _J	-50 to +125	°C
Storage Temperature	T _{stg}	-50 to +150	°C
Thermal Resistance	θ _{JA}	85	°C/W

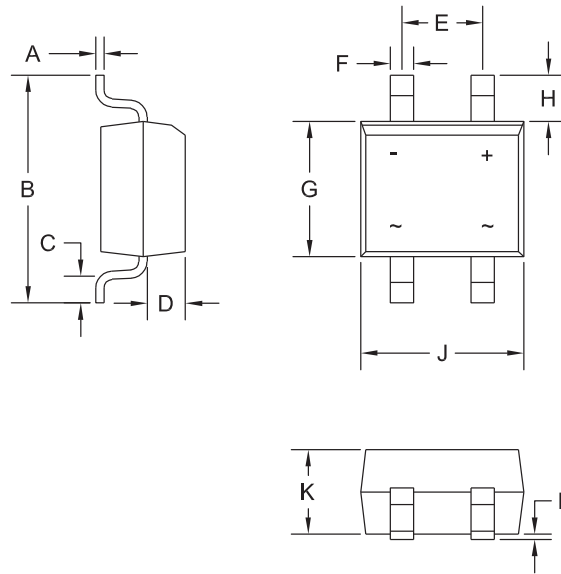
ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25°C unless otherwise noted)

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

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HD DIP CASE - MECHANICAL OUTLINE



R2

SYMBOL	DIMENSIONS			
	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

REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

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