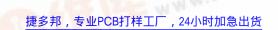
查询HVD131供应商



HVD131

Silicon Epitaxial Planar Pin Diode for High Frequency Switching

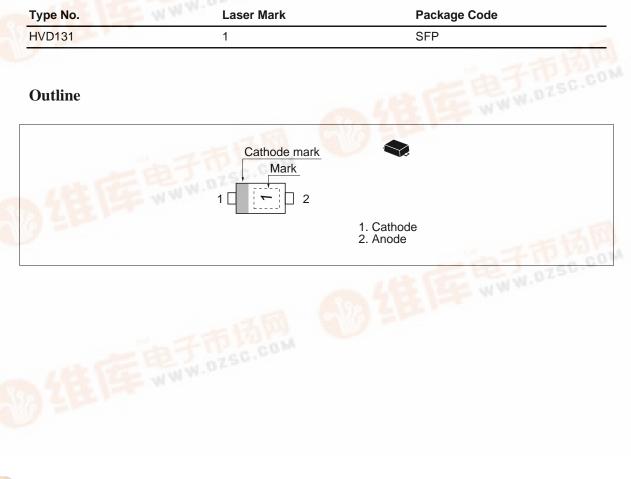
HITACHI

ADE-208-832 (Z) Rev 0 Nov. 1999

Features

- Low capacitance.(C=0.8pF max)
- Low forward resistance. (rf= 1.0Ω max)
- Super small Flat Package (SFP) is suitable for surface mount design.

Ordering Information





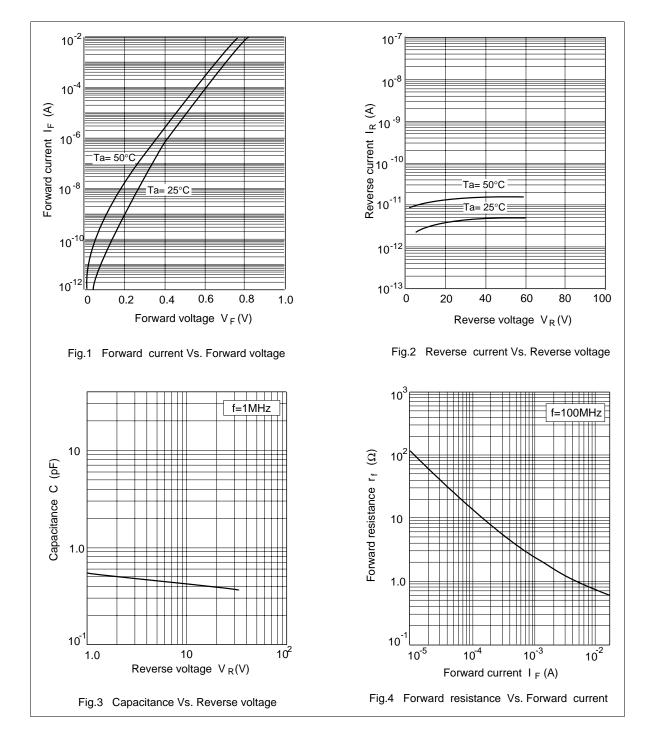
Absolute Maximum Ratings (Ta = 25° C)

Item	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	65	V
Reverse voltage	V _R	60	V
Forward current	I _F	100	mA
Power dissipation	P _d	150	mW
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics (Ta = 25°C)

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _R	_	_	0.1	μΑ	$V_R = 60V$
Forward voltage	V _F	—	—	1.0	V	$I_F = 10 \text{ mA}$
Capacitance	С		_	0.8	pF	$V_R = 1V$, f = 1 MHz
Forward resistance	r _f	—		1.0	Ω	I _F = 10 mA, f = 100 MHz

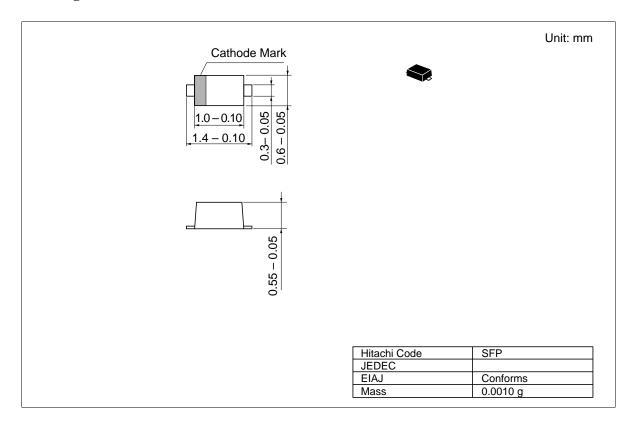
Note: Please mount soldering SFP by the reflow. (Reflow condition: 235°C max, for 10 seconds) Do not use the soldering iron because soldering SFP causes package a big heat stress.



Main Characteristic

HITACHI

Package Dimensions



Cautions

- 1. Hitachi neither warrants nor grants licenses of any rights of Hitachi's or any third party's patent, copyright, trademark, or other intellectual property rights for information contained in this document. Hitachi bears no responsibility for problems that may arise with third party's rights, including intellectual property rights, in connection with use of the information contained in this document.
- 2. Products and product specifications may be subject to change without notice. Confirm that you have received the latest product standards or specifications before final design, purchase or use.
- 3. Hitachi makes every attempt to ensure that its products are of high quality and reliability. However, contact Hitachi's sales office before using the product in an application that demands especially high quality and reliability or where its failure or malfunction may directly threaten human life or cause risk of bodily injury, such as aerospace, aeronautics, nuclear power, combustion control, transportation, traffic, safety equipment or medical equipment for life support.
- 4. Design your application so that the product is used within the ranges guaranteed by Hitachi particularly for maximum rating, operating supply voltage range, heat radiation characteristics, installation conditions and other characteristics. Hitachi bears no responsibility for failure or damage when used beyond the guaranteed ranges. Even within the guaranteed ranges, consider normally foreseeable failure rates or failure modes in semiconductor devices and employ systemic measures such as fail-safes, so that the equipment incorporating Hitachi product does not cause bodily injury, fire or other consequential damage due to operation of the Hitachi product.
- 5. This product is not designed to be radiation resistant.
- 6. No one is permitted to reproduce or duplicate, in any form, the whole or part of this document without written approval from Hitachi.
- Contact Hitachi's sales office for any questions regarding this document or Hitachi semiconductor products.

http://www.hitachi.com.hk/eng/bo/grp3/index.htm

http://www.hitachi.co.jp/Sicd/index.htm

HITACHI

Hitachi, Ltd.

Semiconductor & Integrated Circuits. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan Tel: Tokyo (03) 3270-2111 Fax: (03) 3270-5109 URL NorthAmerica : http:/semiconductor.hitachi.com/ Europe : http://www.hitachi-eu.com/hel/ecg Asia (Singapore) : http://www.hitachi.com.sg/grp3/sicd/index.htm Asia (Taiwan) : http://www.hitachi.com.tw/E/Product/SICD_Frame.htm

Asia (Singapore) Asia (Taiwan) Asia (HongKong) Japan

 For further information write to:

 Hitachi Semiconductor (America) Inc.
 Hitachi Euro Electronic cc

 179 East Tasman Drive, San Jose, CA 95134
 Donacher S

 Tel: <1> (408) 433-0223
 Tel: <49> (8)

Hitachi Europe GmbH Electronic components Group Dornacher Stra§e 3 D-85622 Feldkirchen, Munich Germany Tel: <49> (89) 9 9180-0 Fax: <49> (89) 9 9180-0 Fax: <49> (89) 9 29 30 00 Hitachi Europe Ltd. Electronic Components Group. Whitebrook Park Lower Cookham Road Maidenhead Berkshire SL6 8YA, United Kingdom Tel: <44> (1628) 585000 Fax: <44> (1628) 778322 Hitachi Asia Pte. Ltd. 16 Collyer Quay #20-00 Hitachi Tower Singapore 049318 Tel: 535-2100 Fax: 535-1533

Hitachi Asia Ltd. Taipei Branch Office 3F, Hung Kuo Building. No.167, Tun-Hwa North Road, Taipei (105) Tel: <886> (2) 2718-3666 Fax: <886> (2) 2718-8180 Hitachi Asia (Hong Kong) Ltd. Group III (Electronic Components) 7/F., North Tower, World Finance Centre, Harbour City, Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong Tel: <852> (2) 735 9218 Fax: <852> (2) 730 0281 Telex: 40815 HITEC HX

Copyright ' Hitachi, Ltd., 1999. All rights reserved. Printed in Japan.

HITACHI