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HSD226

Silicon Schottky Barrier Diode for High Speed Switching



ADE-208-1536A (Z)

Rev.1 Jul. 2002

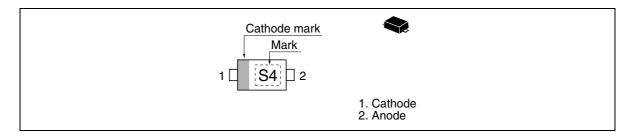
Features

- Low reverse current, Low capacitance.
- Super small Flat Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HSD226	S4	SFP

Pin Arrangement



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Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	$V_{_{\mathrm{RRM}}}$	25	V	
Non-Repetitive Peak forward surge current	I _{FSM} *1	200	mA	
Forward current	I _F	50	mA	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

Note: 1. 10 ms Sine Wave 1 pulse

Electrical Characteristics

 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	$V_{_{\rm F1}}$	_	_	0.33	V	I _F = 1 mA
	V _{F2}	_	_	0.38	V	I _F = 5 mA
Reverse current	I _R	_	_	0.45	μΑ	V _R = 20 V
Capacitance	С	_	_	2.80	pF	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$

Note: 1. Please do not use the soldering iron due to avoid high stress to the SFP package.

Main Characteristic

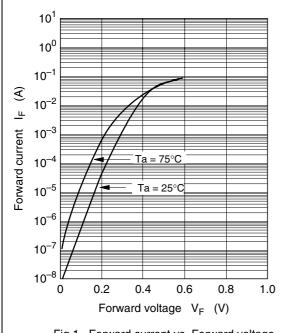


Fig.1 Forward current vs. Forward voltage

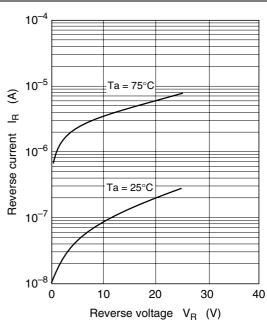
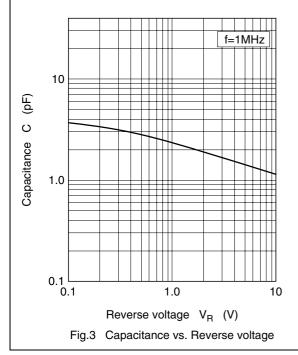
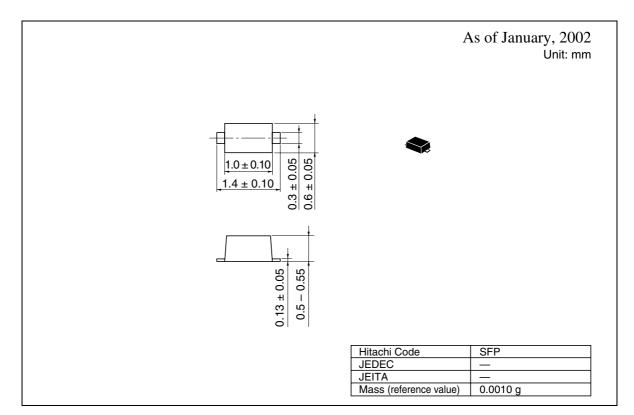


Fig.2 Reverse current vs. Reverse voltage



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Package Dimensions



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Sales Offices

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Semiconductor & Integrated Circuits Nippon Bldg., 2-6-2, Öhte-machi, Chiyoda-ku, Tokyo 100-0004, Japan Tel: (03) 3270-2111 Fax: (03) 3270-5109

URL http://www.hitachisemiconductor.com/

For further information write to:

Hitachi Semiconductor (America) Inc. 179 East Tasman Drive San Jose, CA 95134 Tel: <1> (408) 433-1990 Maidenhead

Hitachi Europe Ltd. Electronic Components Group Whitebrook Park Lower Cookham Road Fax: <1>(408) 433-0223 Berkshire SL6 8YA, United Kingdom Fax: <65>-6538-6933/6538-3877 Tel: <44> (1628) 585000

> Hitachi Europe GmbH Electronic Components Group Dornacher Straße 3 D-85622 Feldkirchen Postfach 201, D-85619 Feldkirchen Germany

Tel: <49> (89) 9 9180-0 Fax: <49> (89) 9 29 30 00

Fax: <44> (1628) 585200

Hitachi Asia Ltd. Hitachi Tower 16 Collyer Quay #20-00 Singapore 049318 Tel: <65>-6538-6533/6538-8577

URL: http://semiconductor.hitachi.com.sg Tel: <852>-2735-9218

(Taipei Branch Office) 4/F, No. 167, Tun Hwa North Road Hung-Kuo Building Taipei (105), Taiwan Tel: <886>-(2)-2718-3666 Fax: <886>-(2)-2718-8180 Telex: 23222 HAS-TP

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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

Fax: <852>-2730-0281

URL: http://semiconductor.hitachi.com.hk

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