Old Company Name in Catalogs and Other Documents

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April 1st, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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HVD141

Silicon Epitaxial Planar Pin Diode for Antenna Switching

REJ03G0427-0100

(Previous: ADE-208-1087)

Rev.1.00 Dec 07, 2004

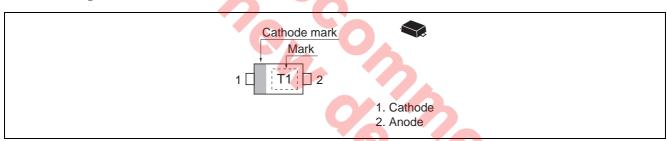
Features

- An optimal solution for antenna switching in mobile phones.
- Low capacitance. (C = 0.82 pF max)
- Low forward resistance. (rf = $0.8 \Omega \text{ max}$)
- Super small Flat Lead Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVD141	T1	SFP

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	30	V
Forward current	I _F	100	mA
Power dissipation	Pd	150	mW
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics

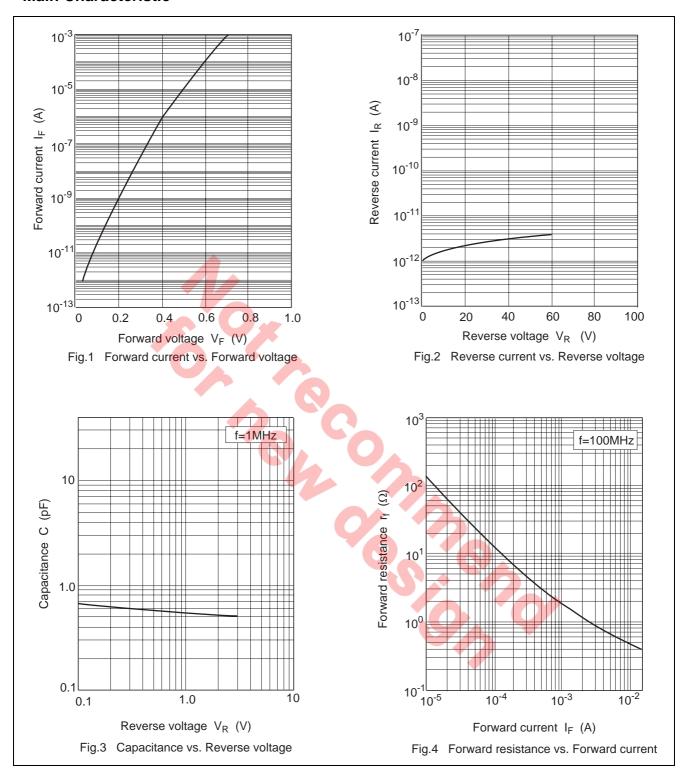
 $(Ta = 25^{\circ}C)$

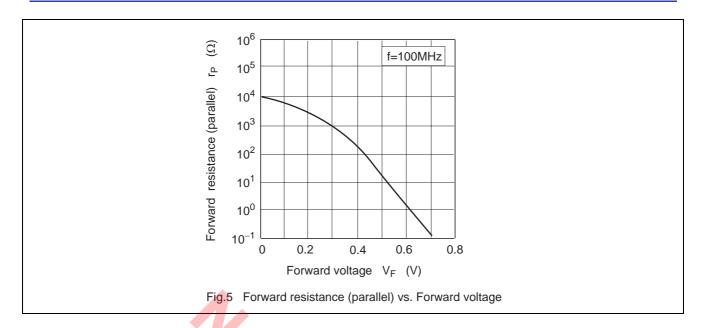
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _R	_	_	100	nA	V _R = 30 V
Forward voltage	V _F	_	_	1.0	V	I _F = 10 mA
Capacitance	C	_	_	0.82	pF	V _R = 1 V, f = 1 MHz
Forward resistance	rf		_	0.8	Ω	I _F = 10 mA, f = 100 MHz

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



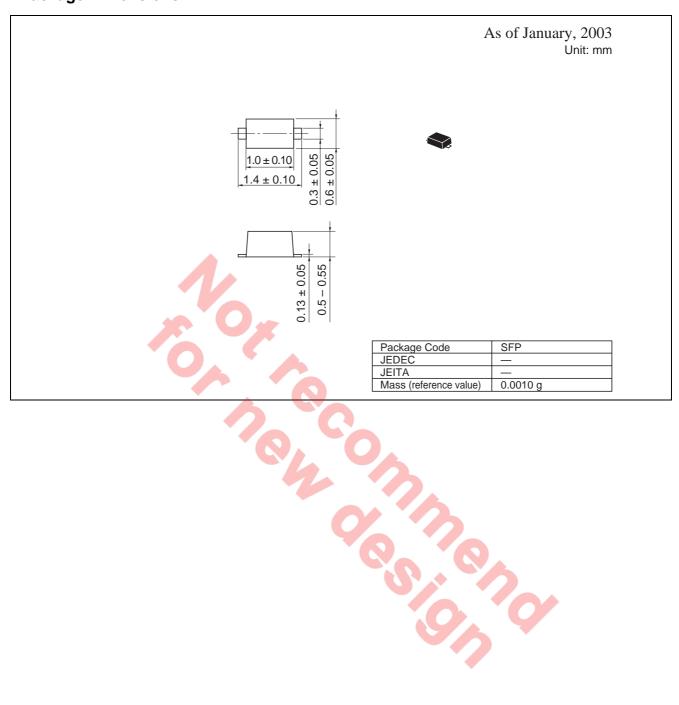
Main Characteristic







Package Dimensions



Renesas Technology Corp. sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan

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Reep salety IIIst in your circuit designs!

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