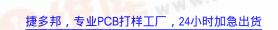
#### 查询HVD131供应商



# HVD131

Silicon Epitaxial Planar Pin Diode for High Frequency Switching

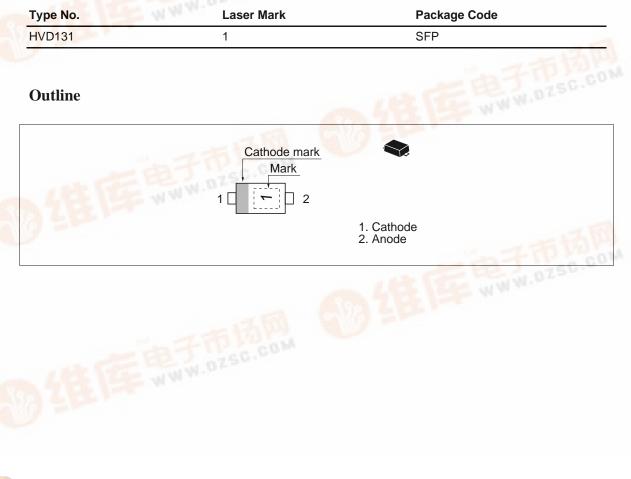
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ADE-208-832 (Z) Rev 0 Nov. 1999

#### Features

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

### **Ordering Information**





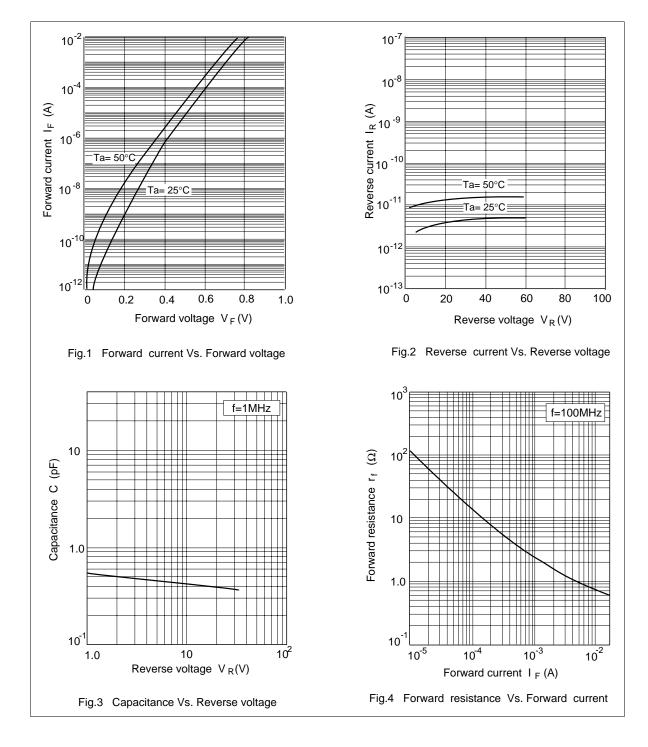
### Absolute Maximum Ratings (Ta = $25^{\circ}$ C)

Item	Symbol	Value	Unit
Peak reverse voltage	V <sub>RM</sub>	65	V
Reverse voltage	V <sub>R</sub>	60	V
Forward current	I <sub>F</sub>	100	mA
Power dissipation	P <sub>d</sub>	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 <sub>R</sub>	_	_	0.1	μΑ	$V_R = 60V$
Forward voltage	V <sub>F</sub>	—	—	1.0	V	$I_F = 10 \text{ mA}$
Capacitance	С		_	0.8	pF	$V_R = 1V$ , f = 1 MHz
Forward resistance	r <sub>f</sub>	—		1.0	Ω	I <sub>F</sub> = 10 mA, f = 100 MHz

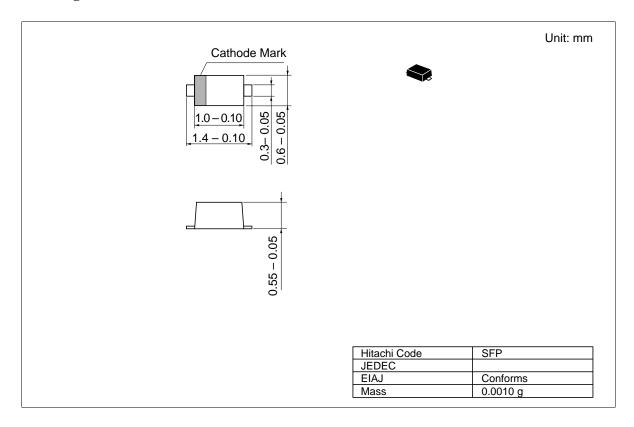
Note: Please mount soldering SFP by the reflow. (Reflow condition: 235°C max, for 10 seconds) Do not use the soldering iron because soldering SFP causes package a big heat stress.



#### **Main Characteristic**

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# **Package Dimensions**



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