Silicon Epitaxial Planar Pin Diode for High Frequency Switching

HITACHI

ADE-208-830A (Z)

Rev. 1 Sep. 2000

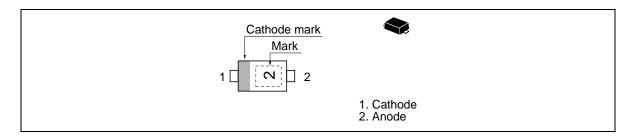
Features

- Low capacitance. (C = 0.5 pF max)
- Low forward resistance. (rf = 2.0Ω max)
- Super small Flat Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVD132	2	SFP

Outline





Absolute Maximum Ratings

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

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

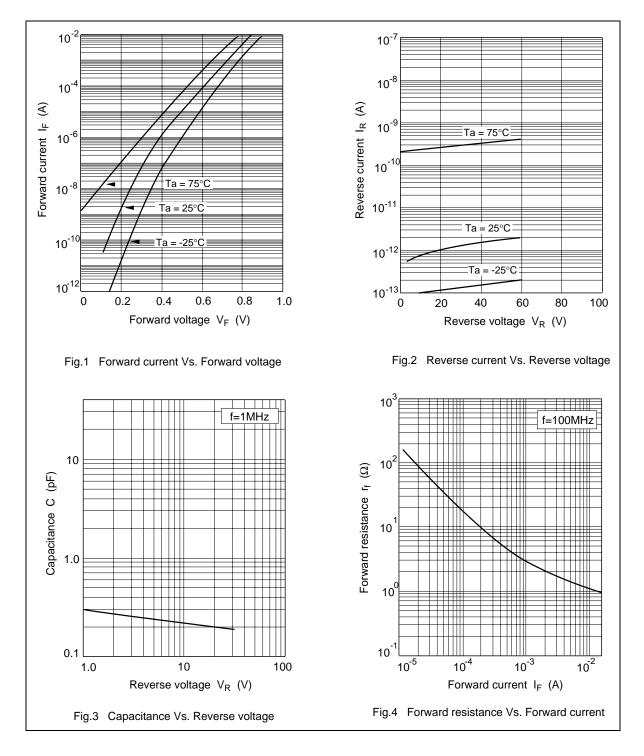
Electrical Characteristics

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

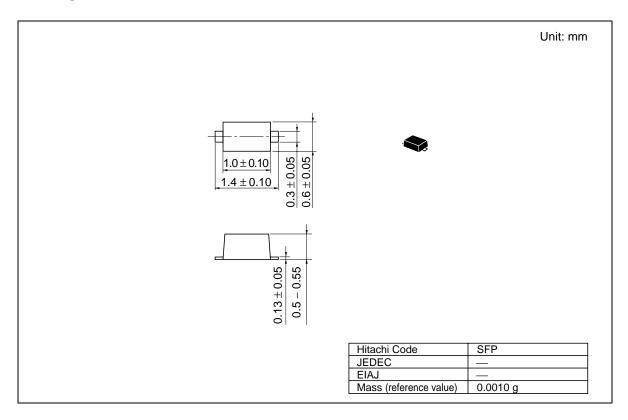
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _R	_	—	0.1	μA	V _R = 60 V
Forward voltage	V _F	_		1.0	V	I _F = 10 mA
Capacitance	С	_	—	0.5	pF	$V_{R} = 1 V, f = 1 MHz$
Forward resistance	r _f	_	—	2.0	Ω	l _F = 10 mA, f = 100 MHz

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

Main Characteristic



Package Dimensions



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