Silicon Schottky Barrier Diode for Detector

HITACHI

ADE-208-1385 (Z)

Rev.0 Jul. 2001

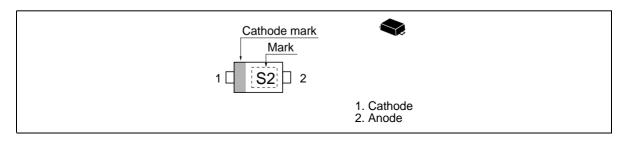
Features

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

Ordering Information

Туре No.	Laser Mark	Package Code
HSD276A	S2	SFP

Outline





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Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V _{RRM}	5	V
Reverse voltage	V _R	3	V
Average rectified current	lo	30	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

Electrical Characteristics

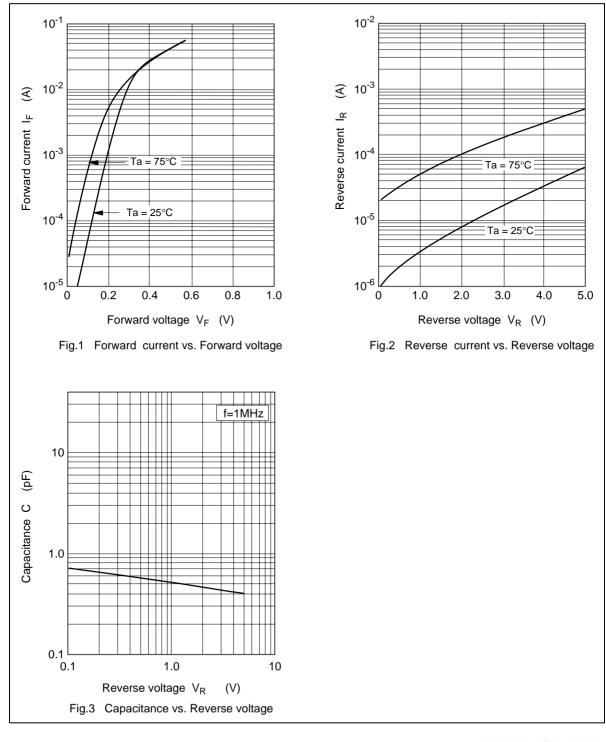
 $(Ta = 25^{\circ}C)$

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V _R	3			V	I _R = 1 mA
Reverse current	I _R			50	μΑ	$V_R = 0.5V$
Forward current	I _F	35			mA	V _F = 0.5 V
Capacitance	С	_		0.85	pF	$V_{R} = 0.5 V, f = 1 MHz$
ESD-Capability *1	_	30			V	$C = 200 \text{ pF}, R = 0 \Omega$,
						Both forward and reverse direction 1 pulse.

Notes: 1. Failure criterion ; $I_{R} > 100 \ \mu A$ at V_{R} = 0.5 V

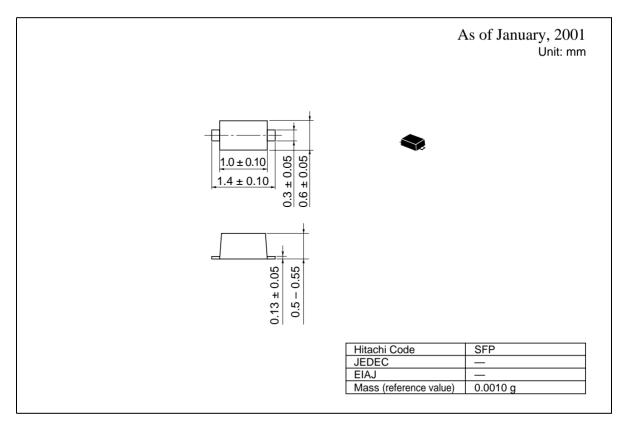
2. Please do not use the soldering iron due to avoid high stress to the SFP package.

Main Characteristic



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Package Dimensions



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