

HRD0103C

Silicon Schottky Barrier Diode for Rectifying

REJ03G0070-0100Z

(Previous: ADE-208-1614) Rev.1.00

Aug.29.2003

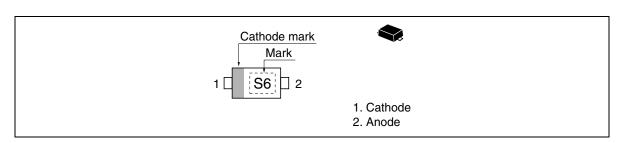
Features

- Low reverse voltage drop and suitable for high efficiency reverse current.
- Super small Flat Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HRD0103C	S6	SFP

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit	
Peak reverse voltage	V _{RM} *1	30	V	
Reverse voltage	V _R	30	V	
Average rectified current	l _o *1	100	mA	
Peak forward surge current	I _{FM}	300	mA	
Non-Repetitive peak forward surge current	I _{FSM} *2	1	Α	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

Notes: 1. See from Fig.3 to Fig.5.

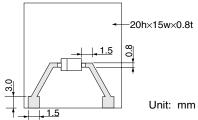
2. 10 ms sine wave 1 pulse.

Electrical Characteristics

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

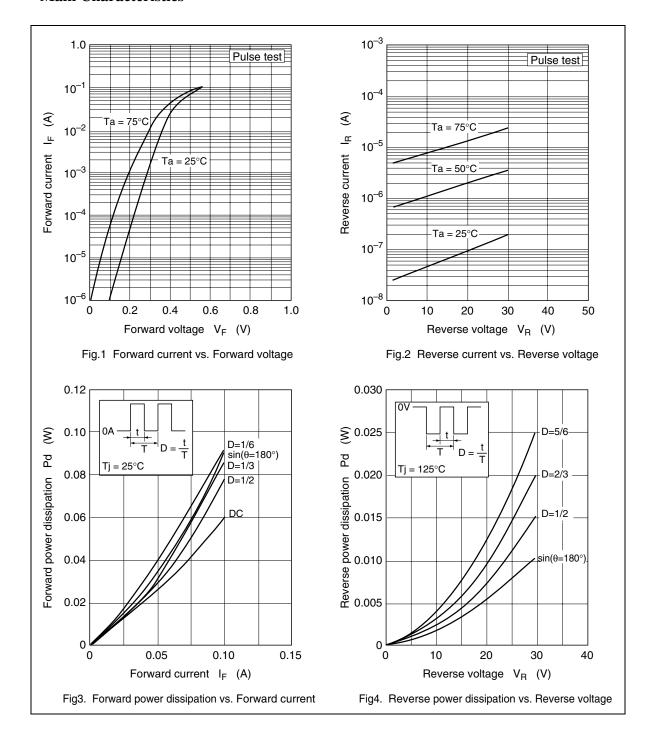
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F1}	_	_	0.4	V	I _F = 10 mA
	V _{F2}	_	_	0.6	_	I _F = 100 mA
Reverse current	I _{R1}	_	_	0.1	μА	V _R = 5 V
	I _{R2}	_	_	0.2	<u> </u>	V _R = 10 V
Capacitance	С	_	_	8.0	pF	V _R = 0.5 V, f = 1 MHz
Thermal resistance	Rth(j-a)	_	600	_	°C/W	Polyimide board *1

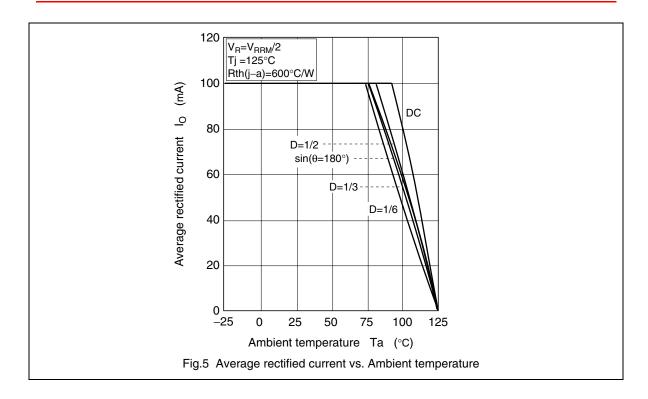
Note: 1. Polyimide board



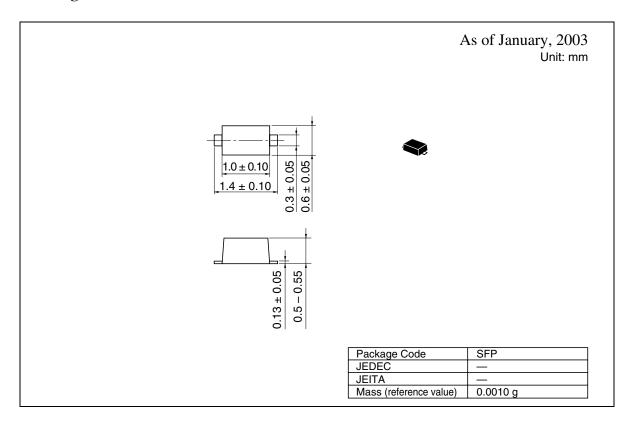
2. Please do not use the soldering iron due to avoid high stress to the SFP package.

Main Characteristics





Package Dimensions



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