To all our customers

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Renesas Technology Corp. Customer Support Dept. April 1, 2003





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Silicon Schottky Barrier Diode for Rectifying

## RENESAS

ADE-208-1558 (Z)

Rev.0 Nov. 2002

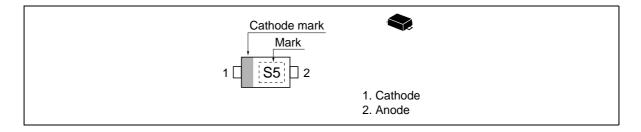
#### Features

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

#### **Ordering Information**

Type No.	Laser Mark	Package Code	
HRD0203C	S5	SFP	

#### **Pin Arrangement**



#### **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	V <sub>RRM</sub> * <sup>1</sup>	30	V	
Average rectified current	l <sub>o</sub> * <sup>1</sup>	200	mA	
Non-Repetitive peak forward surge current	FSM *2	2	A	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

Notes: 1. See from Fig.3 to Fig.5, with polyimide board.

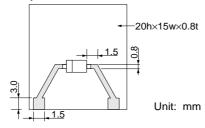
2. 10 ms sine wave 1 pulse.

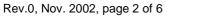
#### **Electrical Characteristics**

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

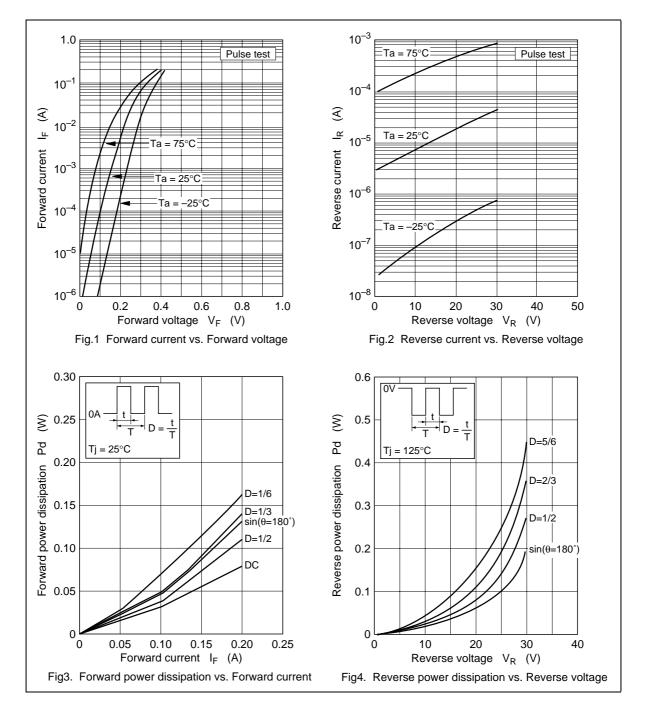
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V <sub>F1</sub>	_	_	0.25	V	I <sub>F</sub> = 5 mA
	V <sub>F2</sub>	_	_	0.45		I <sub>F</sub> = 200 mA
Reverse current	I <sub>R</sub>	_	_	30	μΑ	V <sub>R</sub> = 10 V
Thermal resistance	Rth(j-a)		600		°C/W	Polyimide board *1

Note: 1. Polyimide board





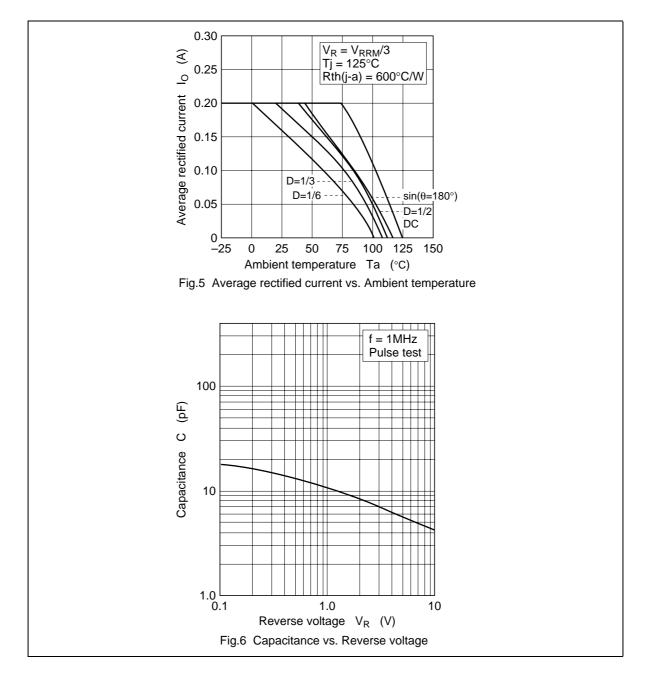




#### Main Characteristic

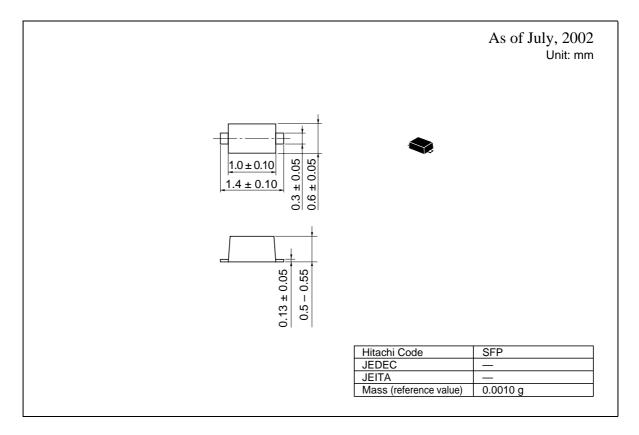


#### Main Characteristic (cont)





#### **Package Dimensions**





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