

## HRC0203B

### Silicon Schottky Barrier Diode for Rectifying

REJ03G0148-0100Z  
(Previous: ADE-208-800)  
Rev.1.00  
Nov.26.2003

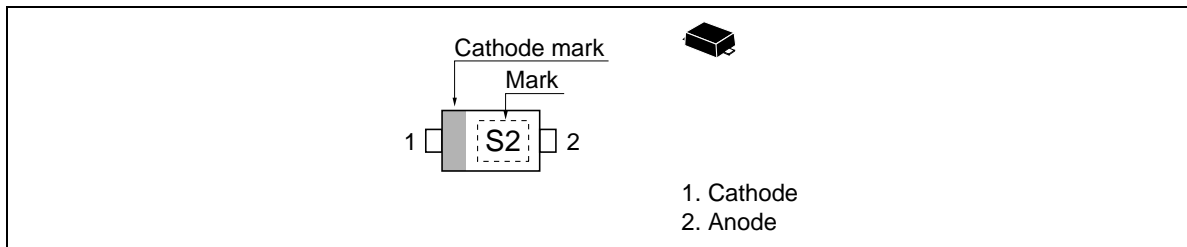
#### Features

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

#### Ordering Information

Type No.	Laser Mark	Package Code
HRC0203B	S2	UFP

#### Pin Arrangement



### Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	$V_{RRM}^{*1}$	30	V
Average rectified current	$I_o^{*1}$	200	mA
Non-Repetitive peak forward surge current	$I_{FSM}^{*2}$	3	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

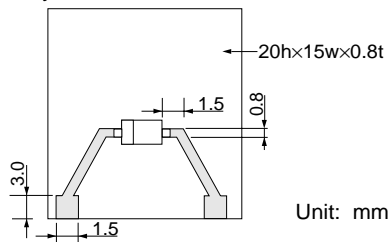
Notes: 1. See from Fig.3 to Fig.5.  
 2. 10 ms sine wave 1 pulse.

### Electrical Characteristics

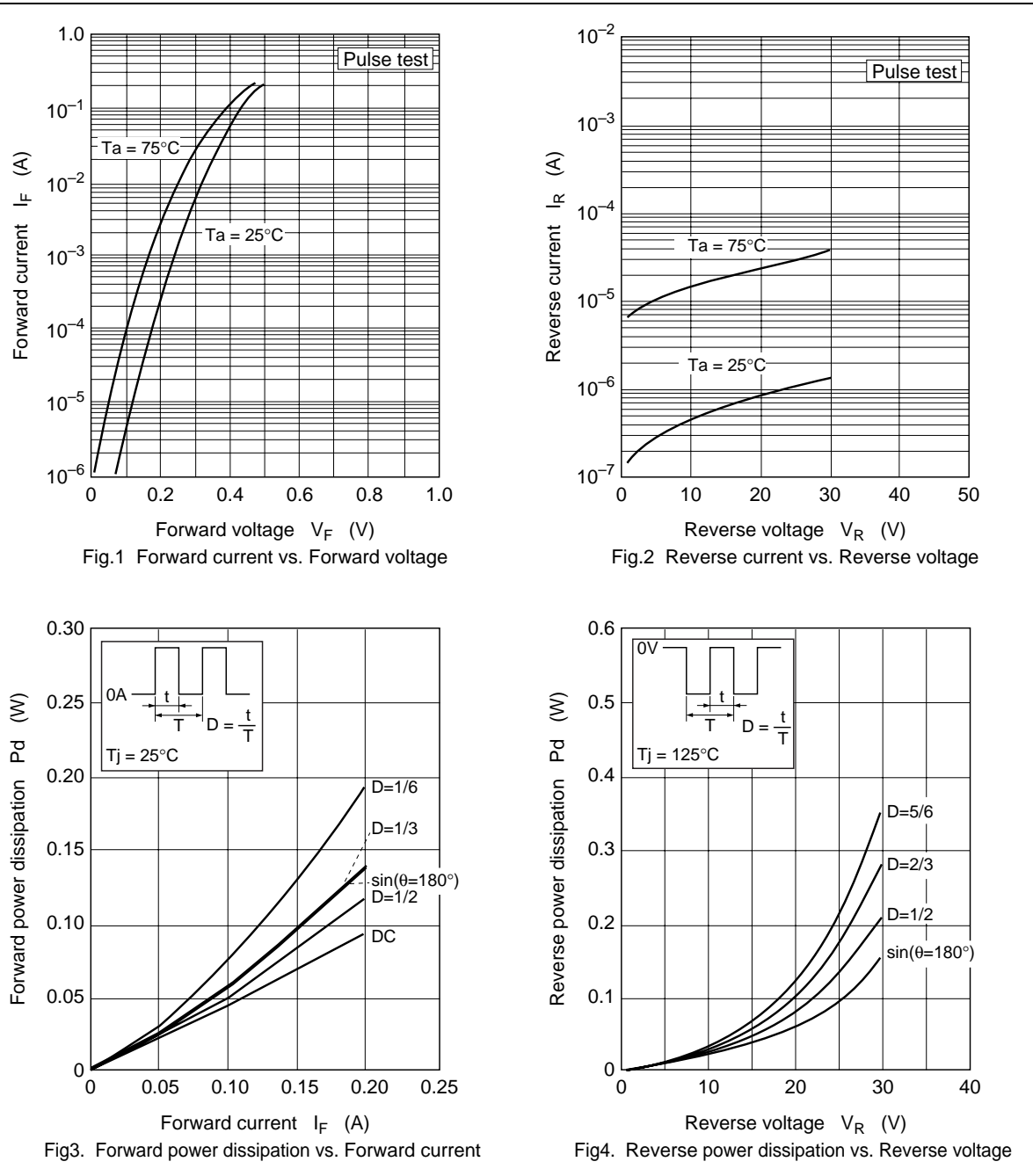
(Ta = 25°C)

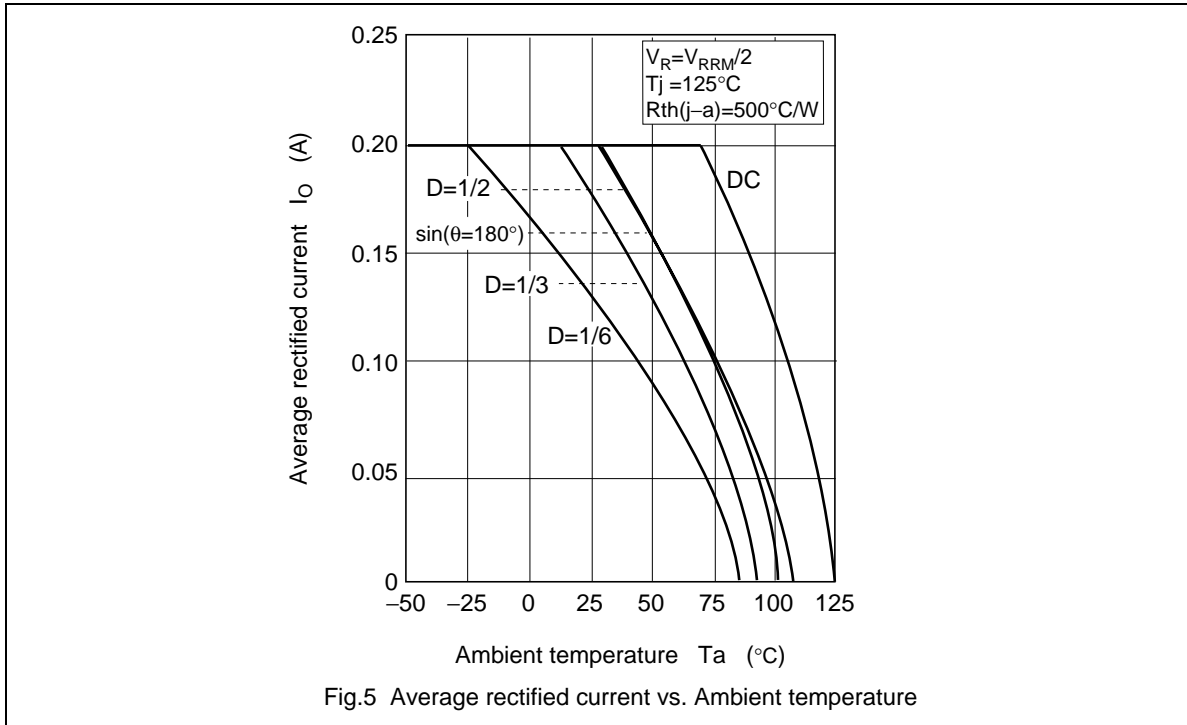
Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	$V_F$	—	—	0.52	V	$I_F = 200 \text{ mA}$
Reverse current	$I_R$	—	—	10	$\mu\text{A}$	$V_R = 30 \text{ V}$
Thermal resistance	$R_{th(j-a)}$	—	500	—	°C/W	Polyimide board <sup>*1</sup>

Note: 1. Polyimide board



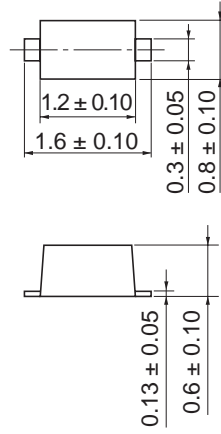
Main Characteristic





Package Dimensions

As of January, 2003  
Unit: mm



Package Code	UFP
JEDEC	—
JEITA	Conforms
Mass (reference value)	0.0016 g

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