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## HRU0203A

Silicon Schottky Barrier Diode for Rectifying

# HITACHI

ADE-208-469A (Z)

Rev 1

November 1996

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### Features

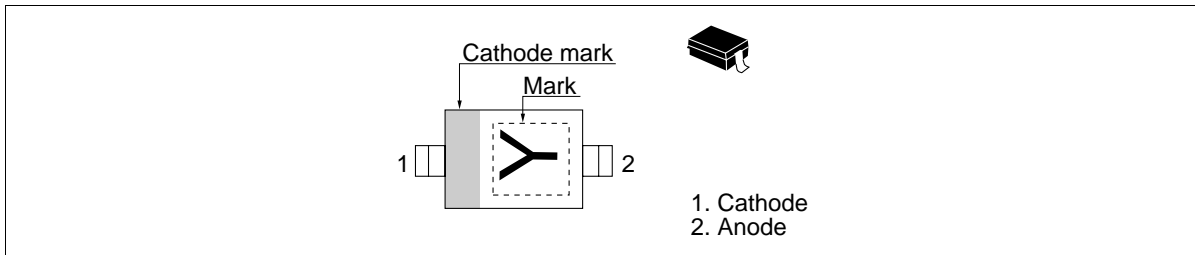
- Low forward voltage drop and suitable for high efficiency forward current.
- Ultra small Resin Package (URP) is suitable for high density surface mounting and high speed assembly.

### Ordering Information

Type No.	Laser Mark	Package Code
HRU0203A	Y	URP

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### Outline



## HRU0203A

### Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	VRRM*1	30	V
Average rectified current	Io*2	200	mA
Non-Repetitive peak forward surge current	IFSM*3	2	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55~+125	°C

Note 1. See Fig.3

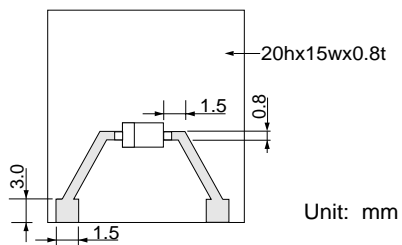
Note 2. See Fig.4

Note 3. 10msec sine wave 1 pulse

### Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	VF	~	~	0.50	V	IF = 200 mA
Reverse current	IR	~	~	50	μA	VR = 30V
Thermal resistance	Rth(j-a)	~	520	~	°C/W	Polyimide substrate*1

Note 1. Polyimide PCB



### Main Characteristic

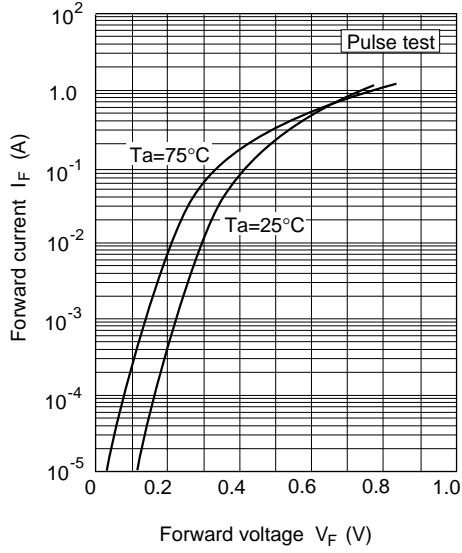


Fig.1 Forward current Vs. Forward voltage

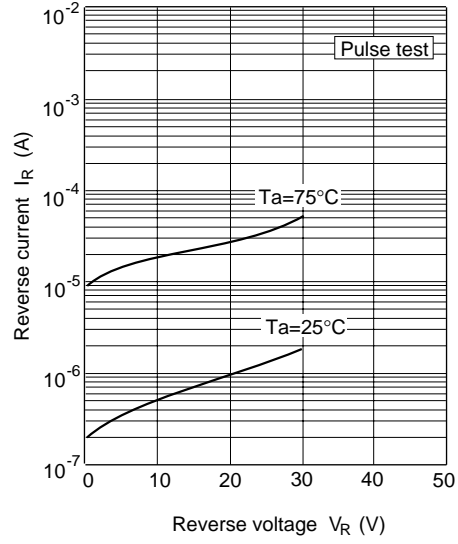


Fig.2 Reverse current Vs. Reverse voltage

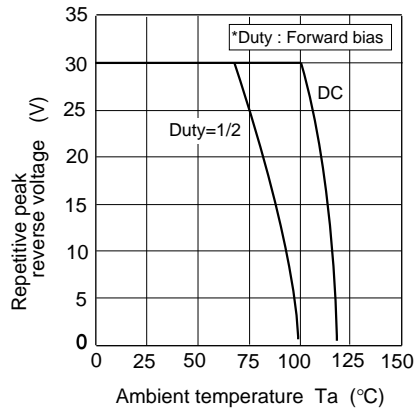


Fig.3 Repetitive peak reverse voltage Vs. Ambient temperature

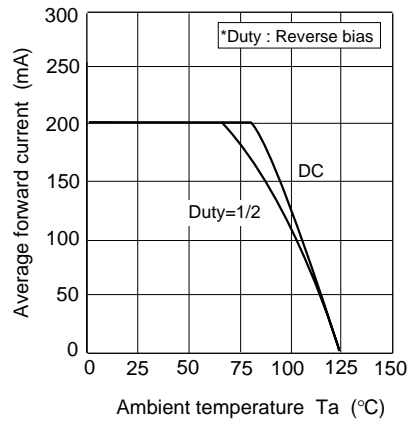


Fig.4 Average forward current Vs. Ambient temperature

## HRU0203A

### Package Dimensions

Unit : mm

