

HRU0203A

Silicon Schottky Barrier Diode for Rectifying

REJ03G0150-0400 Rev.4.00 Jun 08, 2007

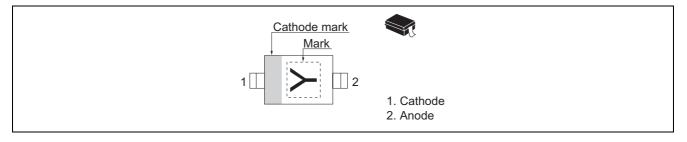
# Features

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

## **Ordering Information**

Part No.	Laser Mark	Package Name	Package Code
HRU0203A	Y	URP	PTSP0002ZA-A

# **Pin Arrangement**



# **Absolute Maximum Ratings**

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

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

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

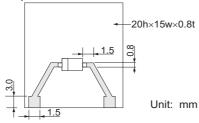
2. 10 ms sine wave 1 pulse.

# **Electrical Characteristics**

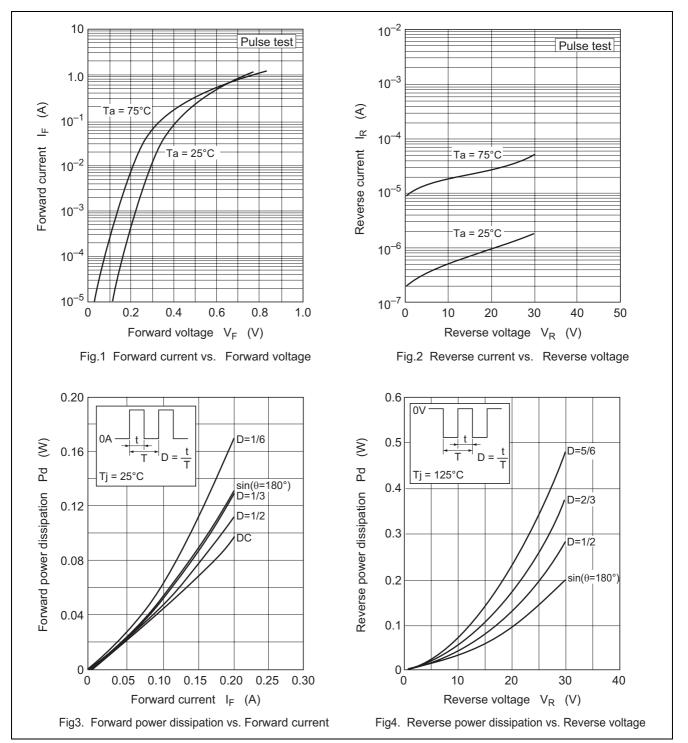
 $(Ta = 25^{\circ}C)$ 

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	VF	_	—	0.50	V	I <sub>F</sub> = 200 mA
Reverse current	I <sub>R</sub>	_	—	50	μΑ	V <sub>R</sub> = 30 V
Thermal resistance	Rth(j-a)	_	520	—	°C/W	Polyimide board * <sup>1</sup>

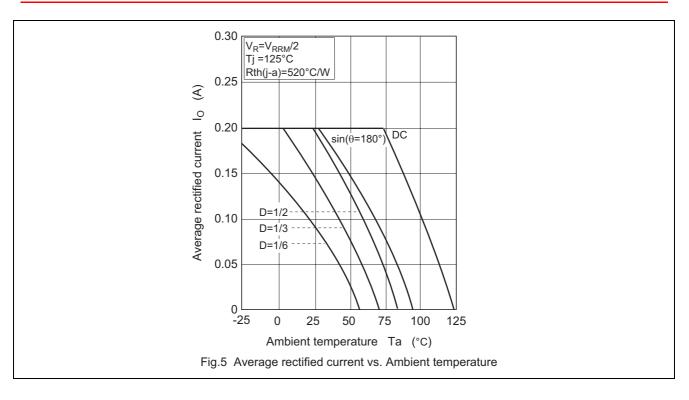
Note: 1. Polyimide board



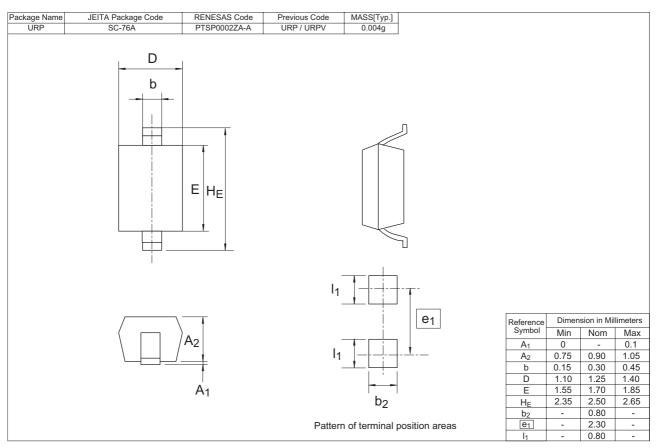
# **Main Characteristic**



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# **Package Dimensions**



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