

HRU0203A

Silicon Schottky Barrier Diode for Rectifying

REJ03G0150-0400 Rev.4.00 Jun 08, 2007

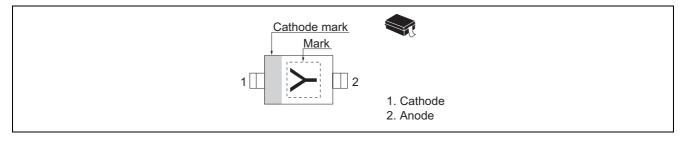
Features

- 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 _{RRM} * ¹	30	V
Average rectified current	lo * ¹	200	mA
Non-Repetitive peak forward surge current	I _{FSM} * ²	2	А
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

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

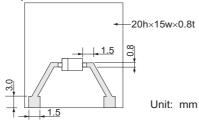
2. 10 ms sine wave 1 pulse.

Electrical Characteristics

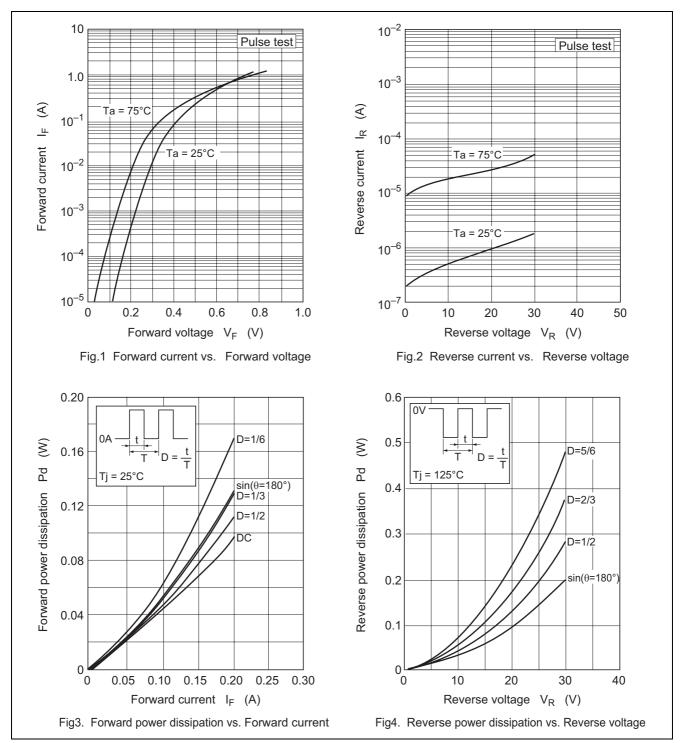
 $(Ta = 25^{\circ}C)$

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

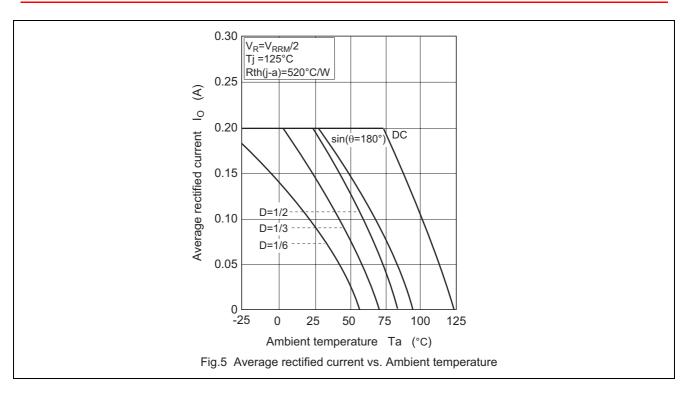
Note: 1. Polyimide board



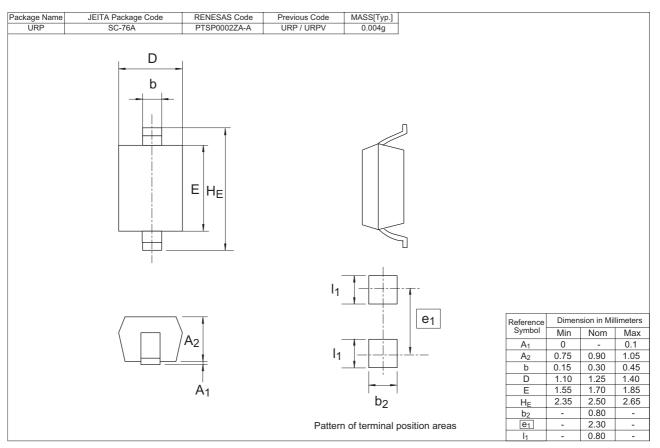
Main Characteristic



RENESAS



Package Dimensions



RenesasTechnology Corp. Sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan



RENESAS SALES OFFICES

Refer to "http://www.renesas.com/en/network" for the latest and detailed information.

Renesas Technology America, Inc. 450 Holger Way, San Jose, CA 95134-1368, U.S.A Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

Renesas Technology Europe Limited Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K. Tel: <44> (1628) 585-100, Fax: <44> (1628) 585-900

Renesas Technology (Shanghai) Co., Ltd. Unit 204, 205, AZIACenter, No.1233 Lujiazui Ring Rd, Pudong District, Shanghai, China 200120 Tel: <86> (21) 5877-1818, Fax: <86> (21) 6887-7898

Renesas Technology Hong Kong Ltd. 7th Floor, North Tower, World Finance Centre, Harbour City, 1 Canton Road, Tsimshatsui, Kowloon, Hong Kong Tel: <852> 2265-6688, Fax: <852> 2730-6071

Renesas Technology Taiwan Co., Ltd. 10th Floor, No.99, Fushing North Road, Taipei, Taiwan Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

Renesas Technology Singapore Pte. Ltd. 1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632 Tel: <65> 6213-0200, Fax: <65> 6278-8001

Renesas Technology Korea Co., Ltd. Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea Tel: <82> (2) 796-3115, Fax: <82> (2) 796-2145

Renesas Technology Malaysia Sdn. Bhd Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

http://www.renesas.com