RENESAS

HRC0103A

Silicon Schottky Barrier Diode for Rectifying

REJ03G0146-0100Z (Previous: ADE-208-624) Rev.1.00 Nov.26.2003

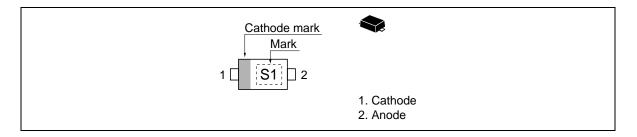
Features

- 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
HRC0103A	S1	UFP

Pin Arrangement





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit	
Repetitive Peak reverse voltage	V _{RRM} * ¹	30	V	
Average rectified current	l _o * ¹	100	mA	
Non-Repetitive peak forward surge current	I _{FSM} * ²	3	А	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

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

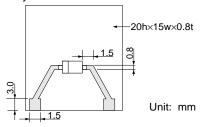
2. 10 ms sine wave 1 pulse.

Electrical Characteristics

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

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	VF	_	_	0.44	V	I _F = 100 mA
Reverse current	I _R	_	_	50	μΑ	V _R = 30 V
Thermal resistance	Rth(j-a)	_	500	_	°C/W	Polyimide board *1

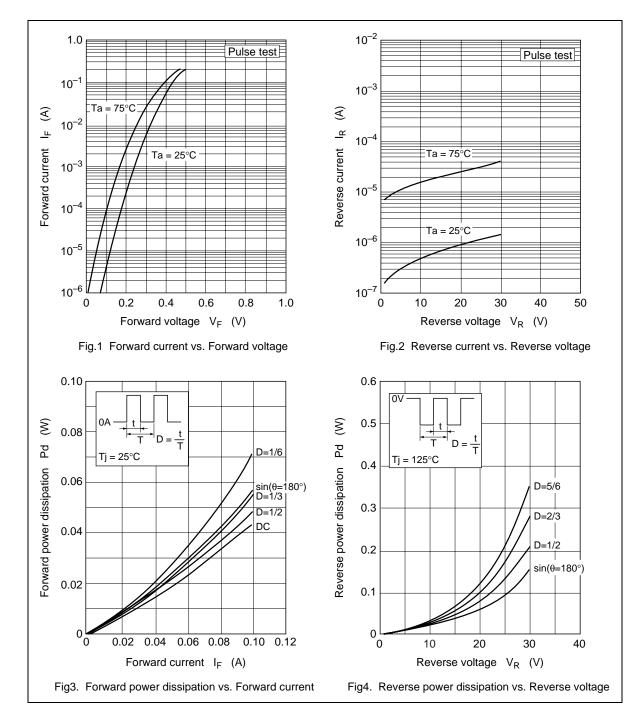
Note: 1. Polyimide board





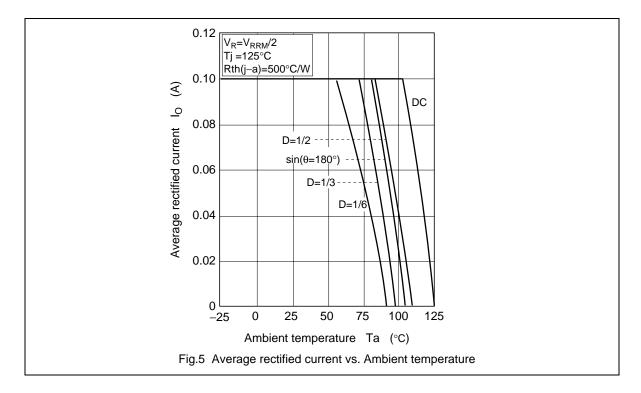
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Main Characteristics





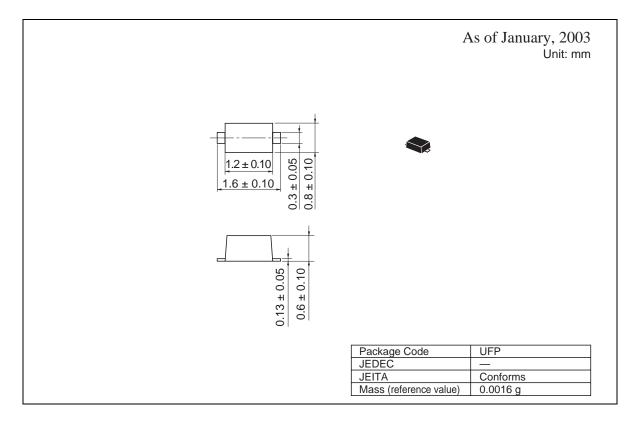
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Package Dimensions





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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, United Kingdom Tel: <44> (1628) 585 100, Fax: <44> (1628) 585 900

Renesas Technology Europe GmbH Dornacher Str. 3, D-85622 Feldkirchen, Germany Tel: <49> (89) 380 70 0, Fax: <49> (89) 929 30 11

Renesas Technology Hong Kong Ltd. 7/F., North Tower, World Finance Centre, Harbour City, Canton Road, Hong Kong Tel: <852> 2265-6688, Fax: <852> 2375-6836

Renesas Technology Taiwan Co., Ltd. FL 10, #99, Fu-Hsing N. Rd., Taipei, Taiwan Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

Renesas Technology (Shanghai) Co., Ltd. 26/F., Ruijin Building, No.205 Maoming Road (S), Shanghai 200020, China Tel: <86> (21) 6472-1001, Fax: <86> (21) 6415-2952

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