

HRC0103A

Silicon Schottky Barrier Diode for Rectifying

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

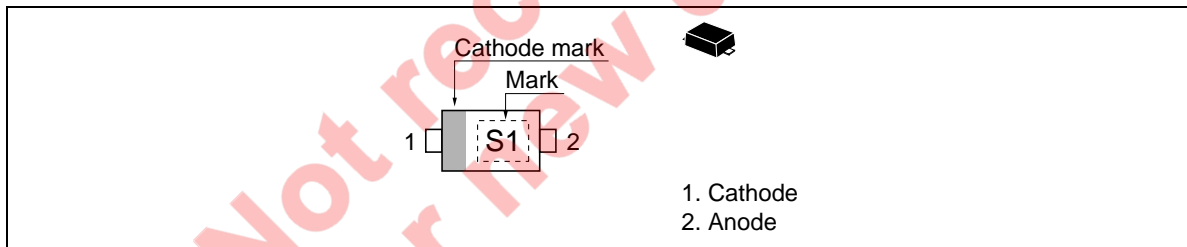
Features

- 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



HRC0103A

Absolute Maximum Ratings

($T_a = 25^\circ\text{C}$)

Item	Symbol	Value	Unit
Repetitive Peak reverse voltage	V_{RRM}^{*1}	30	V
Average rectified current	I_O^{*1}	100	mA
Non-Repetitive peak forward surge current	I_{FSM}^{*2}	3	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

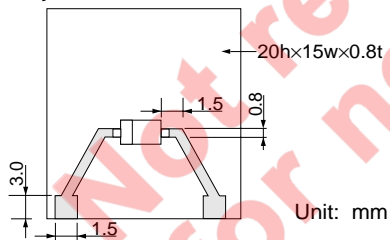
Notes: 1. See from Fig.3 to Fig.5.
2. 10 ms sine wave 1 pulse.

Electrical Characteristics

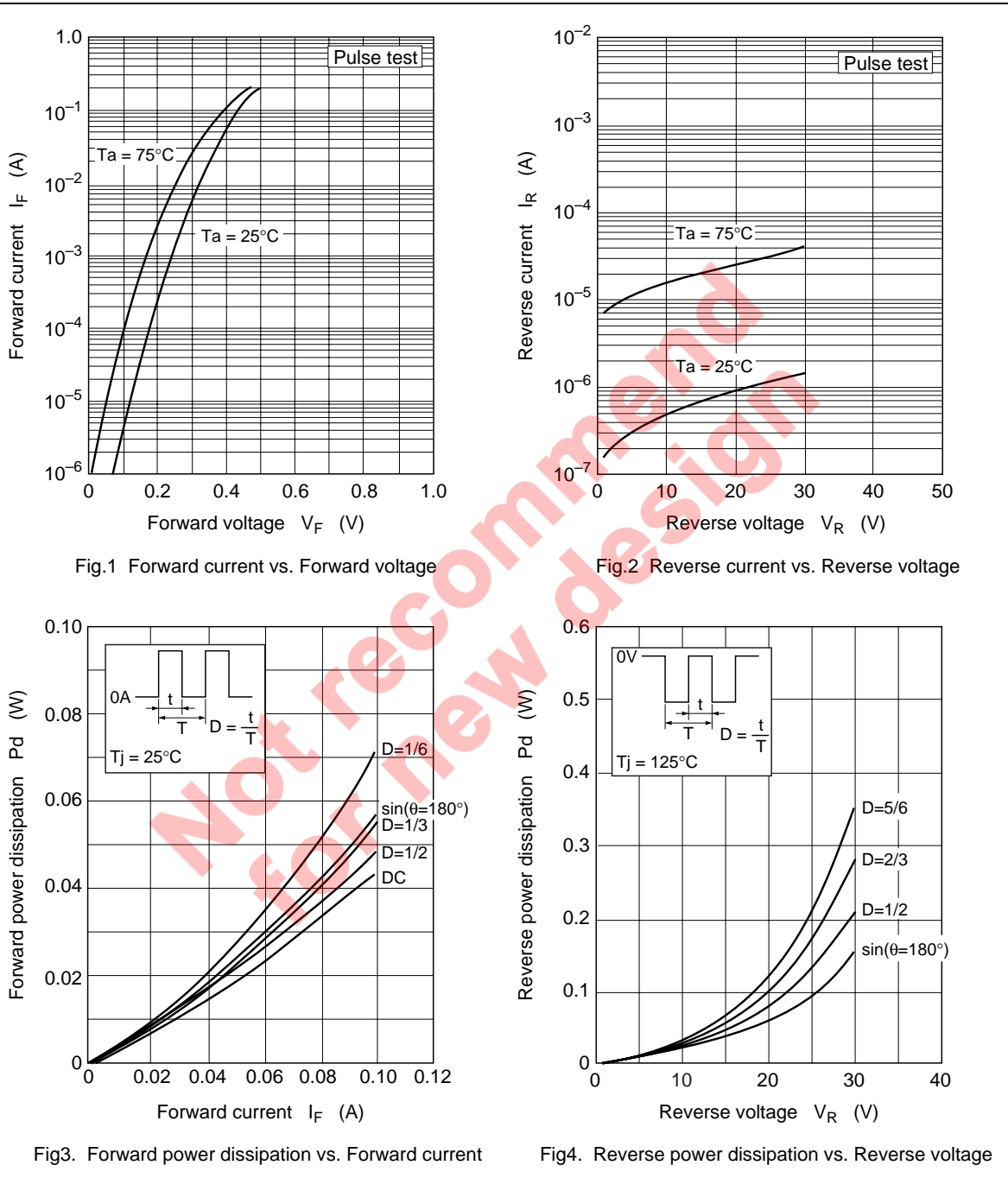
($T_a = 25^\circ\text{C}$)

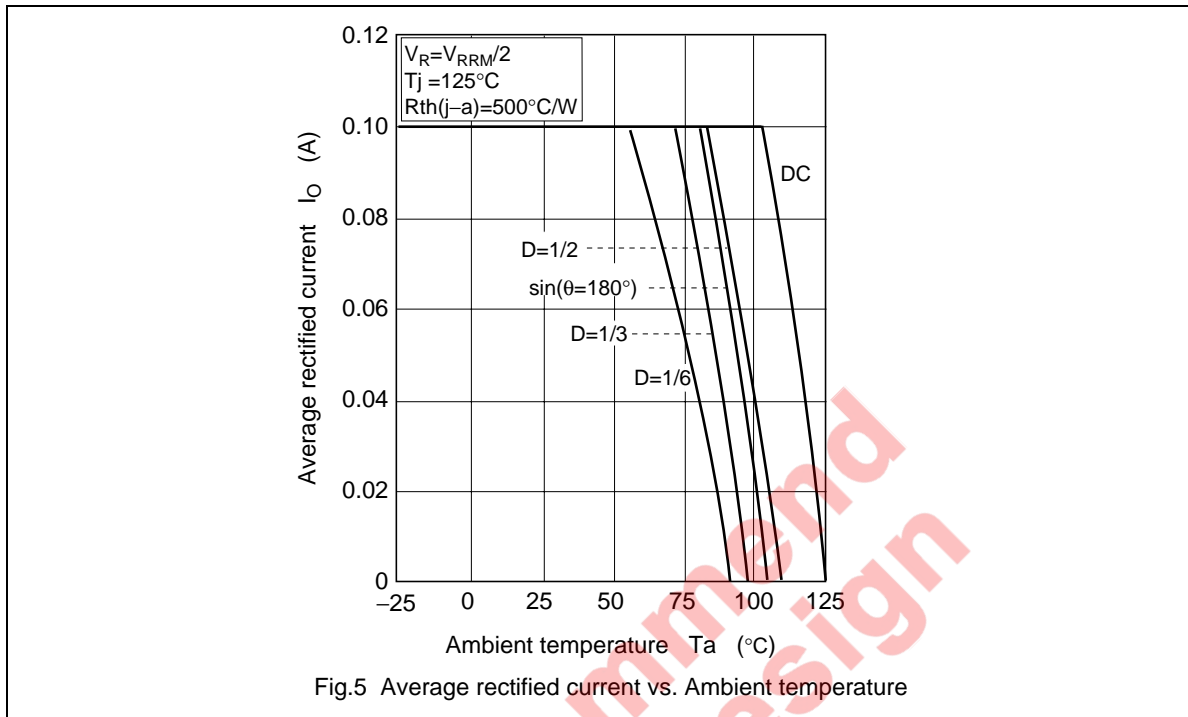
Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_F	—	—	0.44	V	$I_F = 100\text{ mA}$
Reverse current	I_R	—	—	50	μA	$V_R = 30\text{ V}$
Thermal resistance	$R_{th(j-a)}$	—	500	—	$^\circ\text{C/W}$	Polyimide board ^{*1}

Note: 1. Polyimide board



Main Characteristics

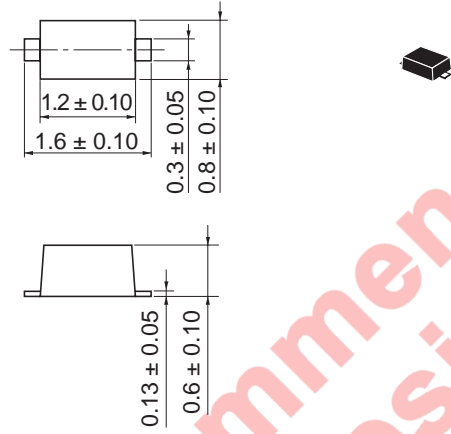




Not recommended for new design

Package Dimensions

As of January, 2003
Unit: mm



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

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April 1st, 2010
Renesas Electronics Corporation

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