RENESAS

HRW0302A

Silicon Schottky Barrier Diode for Rectifying

REJ03G0156-0800Z (Previous: ADE-208-015G) Rev.8.00 Dec.15.2003

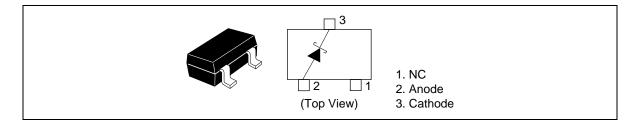
Features

- Low forward voltage drop and suitable for high efficiency rectifying.
- MPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Туре No.	Laser Mark	Package Code
HRW0302A	S11	МРАК

Pin Arrangement





Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	V _{RMM} * ¹	20	V	
Average rectified current	l _o * ¹	300	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.4 to Fig.6

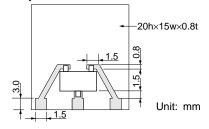
2. 10ms sine wave 1 pulse

Electrical Characteristics

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

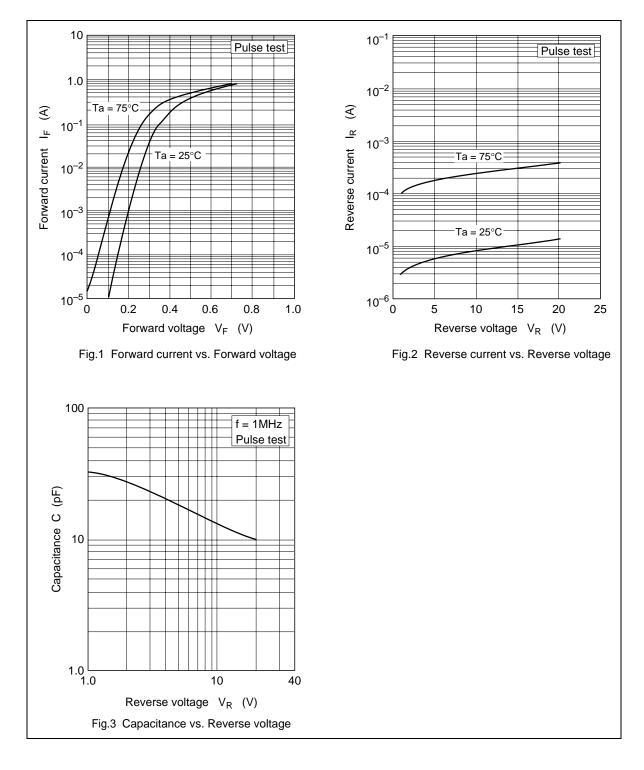
ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	VF	_	_	0.40	V	I _F = 300 mA
Reverse current	I _R	_	_	100	μA	V _R = 20 V
Capacitance	С	_	_	100	pF	V _R = 0 V, f = 1 MHz
Thermal resistance	R _{th(j-a)}		340		°C/W	Polyimide board ^{*1}

Note: 1. Polyimide board



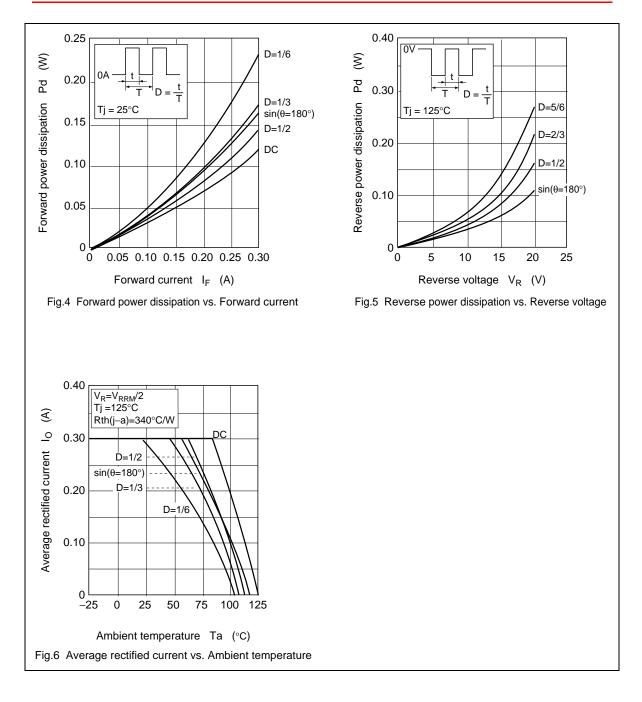


Main Characteristic



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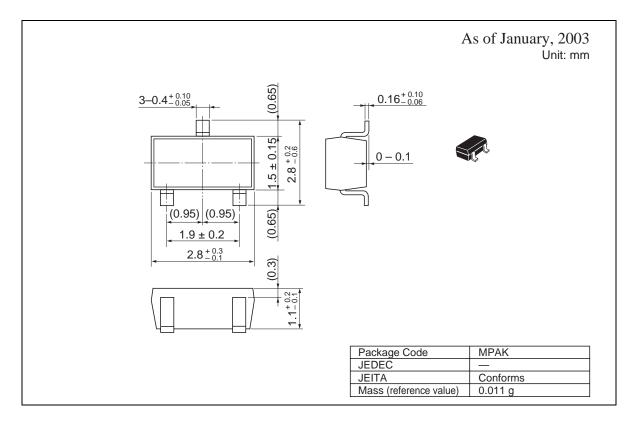
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Package Dimensions





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