RENESAS

HRW0203A

Silicon Schottky Barrier Diode for Rectifying

REJ03G0154-0400Z (Previous: ADE-208-014C) Rev.4.00 Jan.06.2004

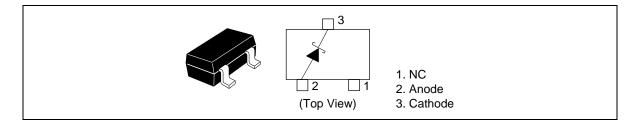
Features

- 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

| Type No. | Laser Mark | Package Code |
|----------|------------|--------------|
| HRW0203A | S5 | МРАК |

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 | 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.1 to Fig.5, with polyimide board.

2. 50 Hz sine wave 1 pulse.

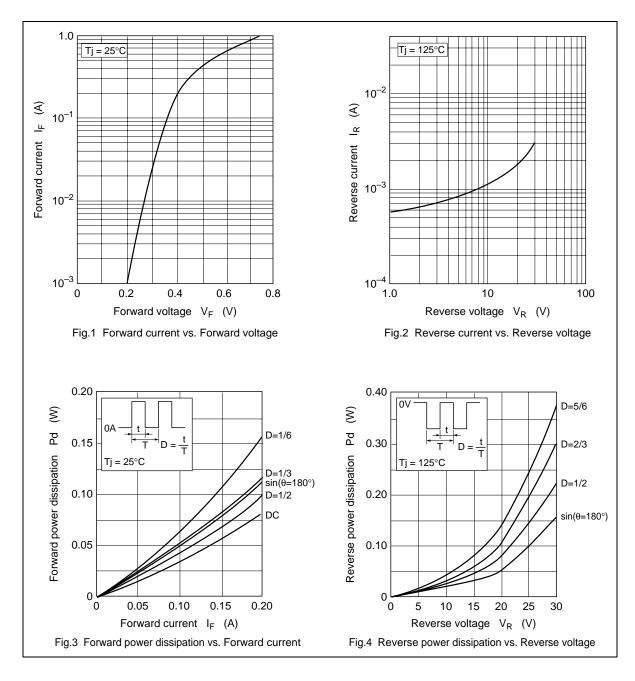
Electrical Characteristics

(Ta = 25°C)

| Item | Symbol | Min | Тур | Max | Unit | Test Condition |
|-----------------|----------------|-----|-----|-----|------|-------------------------|
| Forward voltage | VF | _ | — | 0.5 | V | I _F = 200 mA |
| Reverse current | I _R | _ | _ | 50 | μA | V _R = 30 V |
| Capacitance | С | _ | 40 | _ | pF | $V_R = 0 V$, f = 1 MHz |

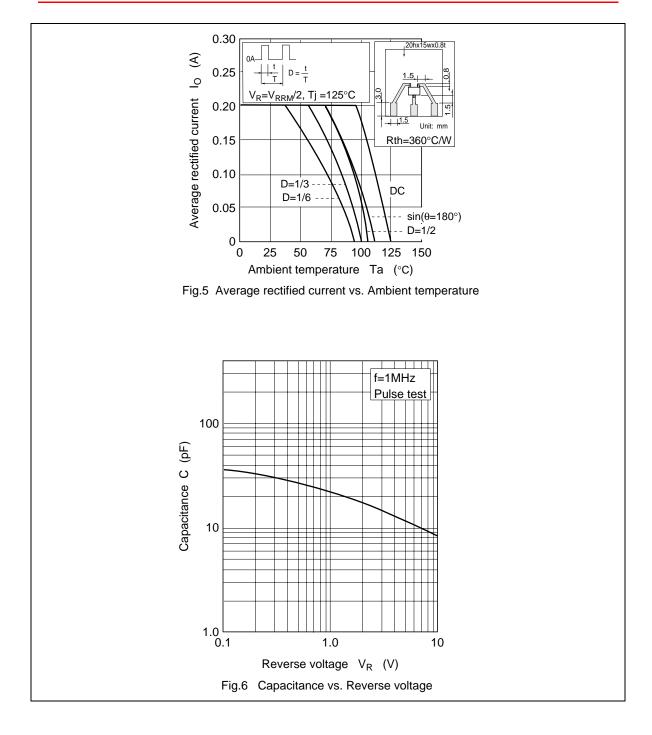


Main Characteristics





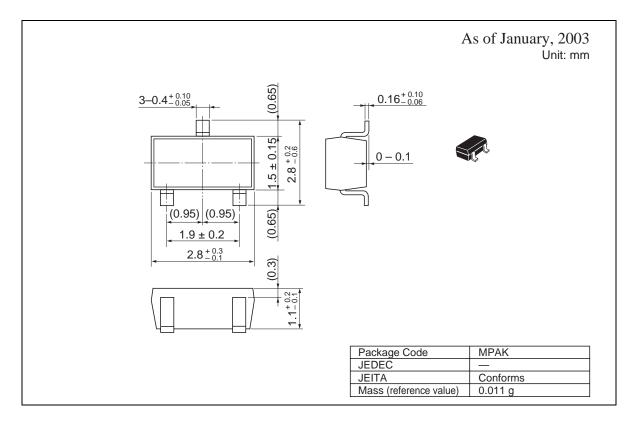
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Package Dimensions





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