

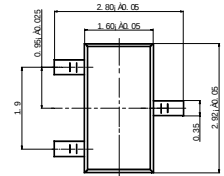
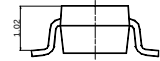
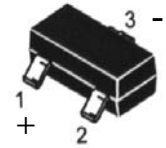
## RB400D Schottky barrier Diodes

### FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

Marking: D3A

### SOT-23-3L



### Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C

| Parameter                  | Symbol           | Limits   | Unit |
|----------------------------|------------------|----------|------|
| Peak reverse voltage       | V <sub>RM</sub>  | 40       | V    |
| DC reverse voltage         | V <sub>R</sub>   | 40       | V    |
| Mean rectifying current    | I <sub>O</sub>   | 500      | mA   |
| Peak forward surge current | I <sub>FSM</sub> | 3        | A    |
| Junction temperature       | T <sub>j</sub>   | 125      | °C   |
| Storage temperature        | T <sub>stg</sub> | -40~+125 | °C   |

### Electrical Ratings @T<sub>A</sub>=25°C

| Parameter                     | Symbol          | Min. | Typ. | Max. | Unit | Conditions                  |
|-------------------------------|-----------------|------|------|------|------|-----------------------------|
| Forward voltage               | V <sub>F</sub>  |      |      | 0.55 | V    | I <sub>F</sub> =0.5A        |
| Reverse current               | I <sub>R1</sub> |      |      | 50   | μA   | V <sub>R</sub> =30V         |
|                               | I <sub>R2</sub> |      |      | 30   | μA   | V <sub>R</sub> =10V         |
| Capacitance between terminals | C <sub>T</sub>  |      | 125  |      | pF   | V <sub>R</sub> =0V, f=1MHZ  |
|                               | C <sub>T</sub>  |      | 20   |      | pF   | V <sub>R</sub> =10V, f=1MHZ |