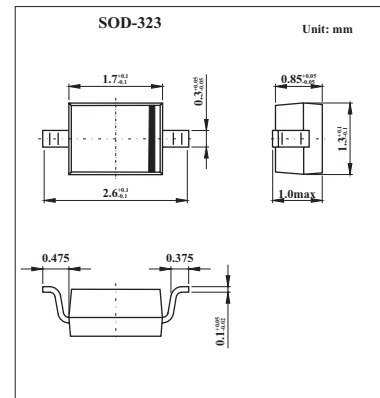


## Schottky Diodes

### KB551V-30(RB551V-30)



#### ■ Features

- High current rectifier Schottky diode.
- Low voltage, low inductance.
- For power supply.

#### ■ Absolute Maximum Ratings Ta = 25°C

| Parameter                  | Symbol           | Rating      | Unit |
|----------------------------|------------------|-------------|------|
| Peak reverse voltage       | V <sub>RM</sub>  | 30          | V    |
| DC reverse voltage         | V <sub>R</sub>   | 20          | V    |
| Mean rectifying current    | I <sub>O</sub>   | 0.5         | A    |
| Peak forward surge current | I <sub>FSM</sub> | 2           | A    |
| Junction temperature       | T <sub>j</sub>   | 125         | °C   |
| Storage temperature        | T <sub>stg</sub> | -40 to +125 | °C   |

#### ■ Electrical Characteristics Ta = 25°C

| Parameter       | Symbol         | Testconditions                                 | Min | Typ | Max          | Unit |
|-----------------|----------------|------------------------------------------------|-----|-----|--------------|------|
| Forward voltage | V <sub>F</sub> | I <sub>F</sub> =100mA<br>I <sub>F</sub> =500mA |     |     | 0.36<br>0.47 | V    |
| Reverse current | I <sub>R</sub> | V <sub>R</sub> =20V                            |     |     | 100          | μA   |

#### ■ Marking

|         |   |
|---------|---|
| Marking | D |
|---------|---|