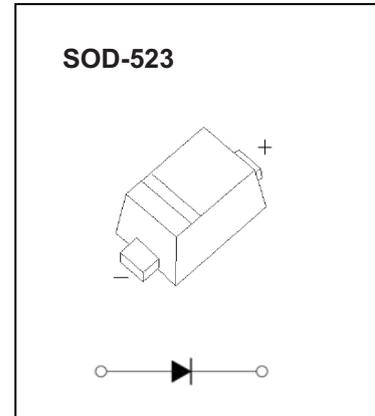


## RB531S-30 SCHOTTKY BARRIER DIODE

### FEATURES

- Low  $I_R$
- High reliability
- Ultra small mold type

MARKING: N



### Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

| Parameter                             | Symbol    | Limits    | Unit             |
|---------------------------------------|-----------|-----------|------------------|
| Reverse voltage(DC)                   | $V_R$     | 30        | V                |
| Average rectified forward current     | $I_o$     | 100       | mA               |
| Forward current surge peak(60Hz/1cyc) | $I_{FSM}$ | 500       | mA               |
| Power Dissipation                     | PD        | 200       | mW               |
| Junction temperature                  | $T_j$     | 125       | $^\circ\text{C}$ |
| Storage temperature                   | $T_{stg}$ | -40to+150 | $^\circ\text{C}$ |

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

| Parameter       | Symbol | Min. | Typ. | Max. | Unit          | Conditions        | Conditions |
|-----------------|--------|------|------|------|---------------|-------------------|------------|
| Forward voltage | $V_F$  | -    | -    | 0.35 | V             | $I_F=10\text{mA}$ |            |
| Reverse current | $I_R$  | -    | -    | 10   | $\mu\text{A}$ | $V_R=10\text{V}$  |            |

**Typical Characteristics**
