

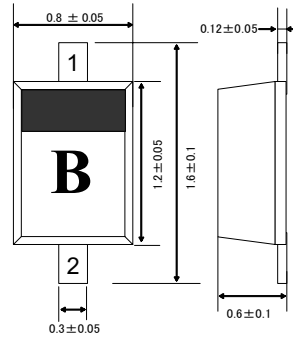
RB520S30

Schottky Barrier Diodes

Features

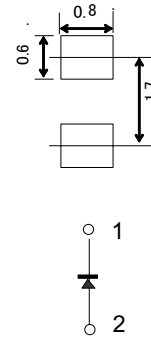
- Small surface mounting type
- Low I_R . ($I_R = 0.1 \mu A$)
- High reliability
- These are Pb-Free Devices

●External dimensions (Unit : mm)



SOD-523

●Land size figure (Unit : mm)



ORDER INFORMATION

| MODEL | PIN-PACKAGE | ORDERING NUMBER | PACKAGE MARKING | PACKAGE OPTION |
|----------|-------------|-----------------|-----------------|----------------|
| RB520S30 | SOD-523 | RB520S30-2/TR | B | 3000/Tape&Reel |

Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^\circ C$

| Parameter | Symbol | Limits | Unit |
|----------------------------|-----------|---------|------------|
| DC reverse voltage | V_R | 30 | V |
| Mean rectifying current | I_O | 200 | mA |
| Peak forward surge current | I_{FSM} | 1 | A |
| Junction temperature | T_j | 125 | $^\circ C$ |
| Storage temperature | T_{stg} | -40~125 | $^\circ C$ |

Electrical Ratings @ $T_A=25^\circ C$

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|---------|---------------|
| Forward voltage | V_F | | | 0.6 | V | $I_F = 200mA$ |
| Reverse current | I_R | | | 1 | μA | $V_R = 10V$ |

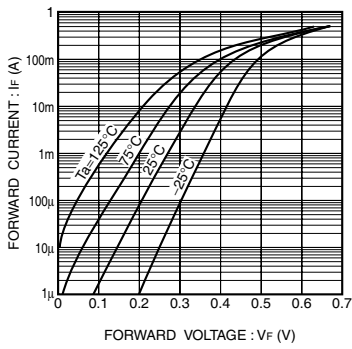
Typical Characteristics
RB520S30


Fig. 1 Forward characteristics

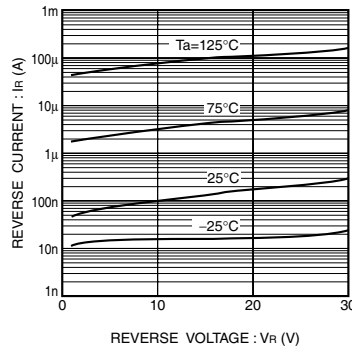


Fig. 2 Reverse characteristics

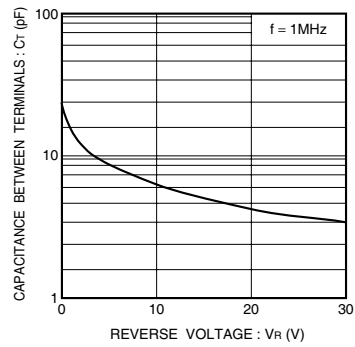
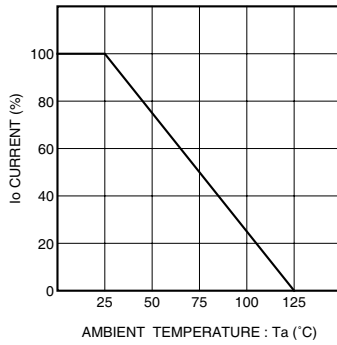


Fig. 3 Capacitance between terminals characteristics


 Fig 4. Derating curve
 (mounting on glass epoxy PCBs)