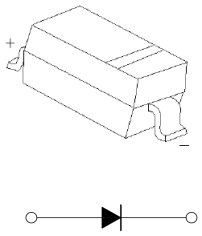
# BAT60B SCHOTTKY BARRIER DIODE

**SOD-323**



### FEATURES

- High Current Rectifier Schottky Diode with Low $V_F$ Drop
- Low Voltage, Low Inductance
- For Power Supply
- For Detection and Step-up-Conversion

### MAXIMUM RATINGS ( $T_a$=25℃ unless otherwise noted )

| Symbol | Parameter | Value | Unit |
|---|---|---|---|
| $V_R$ | DC Blocking Voltage | 10 | V |
| $I_F$ | Forward Current | 3 | A |
| $I_{FSM}$ | Surge Forward Current(t<10ms) | 5 | |
| $P_D$ | Power Dissipation | 350 | mW |
| $R_{\theta JA}$ | Thermal Resistance from Junction to Ambient | 286 | ℃/W |
| $T_j$ | Junction Temperature | 125 | ℃ |
| $T_{stg}$ | Storage Temperature | -55~+150 | ℃ |

### ELECTRICAL CHARACTERISTICS($T_a$=25℃ unless otherwise specified)

| Parameter | Symbol | Test conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| **Reverse voltage** | $V_{(BR)}$ | $I_R$=1mA | 10 | | | V |
| **Reverse current** | $I_R$ | $V_R$=5V | | | 15 | μA |
| | | $V_R$=8V | | | 25 | μA |
| **Forward voltage** | $V_F$ | $I_F$=100mA | | | 0.38 | V |
| | | $I_F$=500mA | | | 0.5 | |
| | | $I_F$=1000mA | | | 0.6 | |
| **Total capacitance** | $C_{tot}$ | $V_R$=5V,f=1MHz | | | 30 | pF |

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