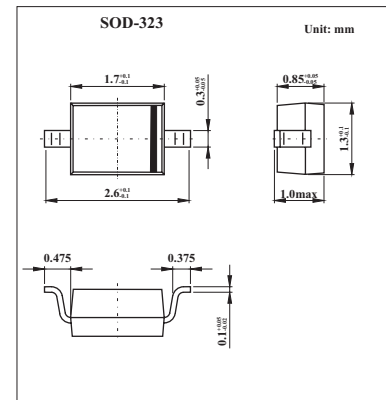


Schottky Diodes

KAT60B(BAT60B)

■ Features

- High current rectifier Schottky diode
- Low voltage, low inductance
- For power supply
- For detection and step-up-conversion



■ Absolute Maximum Ratings Ta = 25°C

| Parameter | Symbol | Rating | Unit |
|-------------------------------------|--------|-------------|------|
| Non-Repetitive Peak reverse voltage | VRM | 10 | V |
| Forward current | IF | 3 | A |
| Forward surge Current tp=10ms | IFSM | 5 | A |
| Power dissipation Tc=25°C | PD | 350 | mW |
| Junction temperature | TJ | 150 | °C |
| Storage temperature | TSTG | -65 to +150 | °C |

■ Electrical Characteristics Ta = 25°C

| Parameter | Symbol | Testconditions | Min | Typ | Max | Unit |
|----------------------|--------|---------------------|-----|-----|-----|------|
| Forward voltage | VF | IF = 10mA | | | 300 | mV |
| | | IF = 100mA | | | 380 | |
| | | IF = 500mA | | | 500 | |
| | | IF = 1000mA | | | 600 | |
| Leakage current | IR | VR = 5V | | | 15 | μ A |
| | | VR = 8V | | | 25 | |
| Junction Capacitance | CJ | VR = 5V, f = 1.0MHz | | | 30 | pF |

■ Marking

| | |
|---------|----|
| Marking | W5 |
|---------|----|