

Schottky Barrier Diode

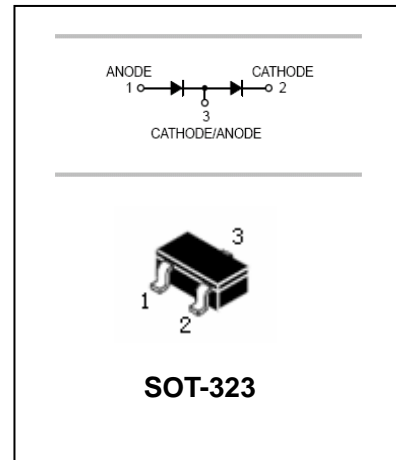
1SS372

FEATURES

- Small surface mounting type.
- Small package.
- Low forward voltage: $V_F=0.23V(\text{typ})$.



Lead-free



APPLICATIONS

- For general purpose applications.

ORDERING INFORMATION

| Type No. | Marking | Package Code |
|----------|---------|--------------|
| 1SS372 | N9 | SOT-323 |

MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

| Parameter | Symbol | Limits | Unit |
|-------------------------------------|-----------|----------|------------------|
| Non-Repetitive Peak reverse voltage | V_{RM} | 15 | V |
| Diode reverse voltage | V_R | 10 | V |
| Forward continuous Current | I_F | 200 | mA |
| Forward Surge Current (10ms) | I_{FSM} | 1 | A |
| Power Dissipation | P_d | 100 | mW |
| Junction temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage temperature range | T_{stg} | -55-+125 | $^\circ\text{C}$ |

ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

| Parameter | Symbol | Test conditions | MIN | Typ. | MAX | UNIT |
|-------------------|--------|--|-----|-------------|-----|---------------|
| Reverse current | I_R | $V_R=10V$ | | | 20 | μA |
| Forward voltage | V_F | $I_F=1\text{mA}$ $I_F=5\text{mA}$ $I_F=100\text{mA}$ | | 0.18 0.3 | 0.5 | V |
| Diode capacitance | C_D | $V_R=0V, f=1\text{MHz}$ | | | 40 | pF |

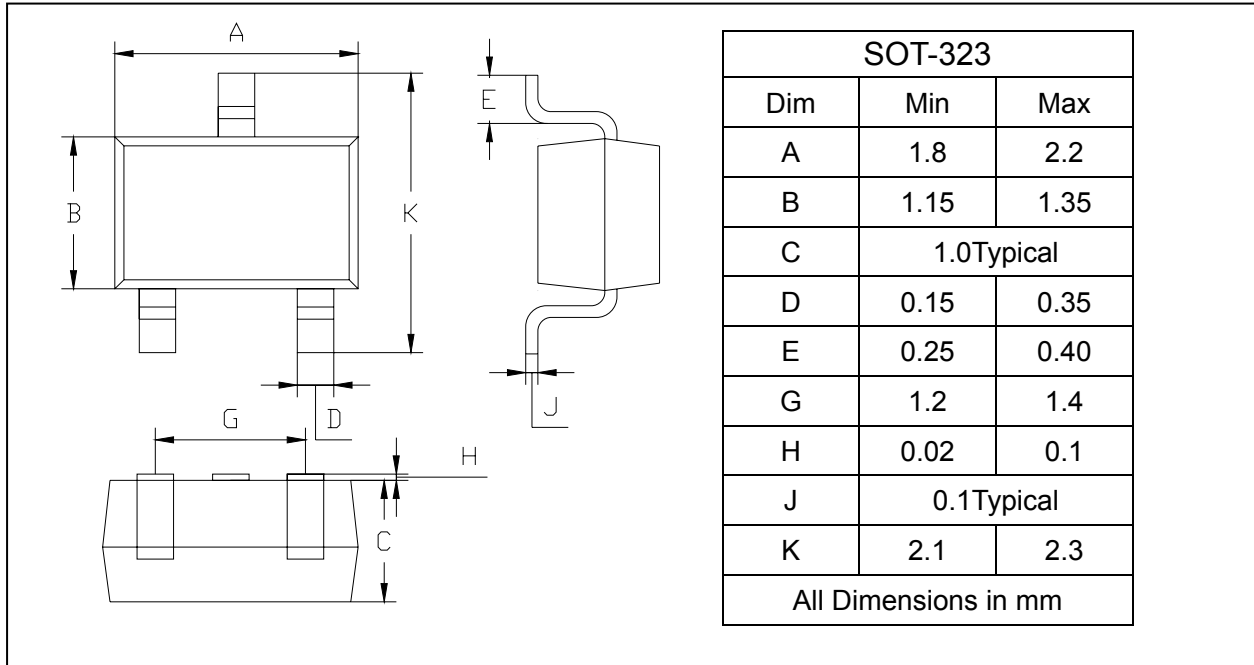
Schottky Barrier Diode

1SS372

PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



PACKAGE INFORMATION

| Device | Package | Shipping |
|--------|---------|----------------|
| 1SS372 | SOT-323 | 3000/Tape&Reel |