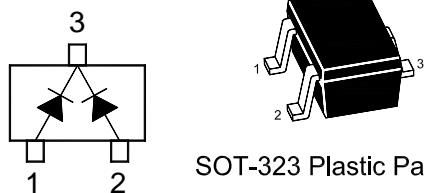


Schottky Barrier Diode

Features

- Low current rectification

Marking Code: 3D



SOT-323 Plastic Package

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

| Parameter | Symbol | Value | Unit |
|---|-------------|---------------|------------------|
| Repetitive Peak Reverse Voltage | V_{RM} | 40 | V |
| Reverse Voltage | V_R | 40 | V |
| Average Rectified Forward Current | $I_{F(AV)}$ | 30 | mA |
| Peak Forward Surge Current ($t = 8.3 \text{ ms}$) | I_{FSM} | 200 | mA |
| Junction Temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage Temperature Range | T_{stg} | - 55 to + 125 | $^\circ\text{C}$ |

Characteristics at $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|--|-------------|------|------|------|---------------|
| Forward Voltage at $I_F = 1 \text{ mA}$ | V_F | - | - | 0.37 | V |
| Reverse Breakdown Voltage at $I_R = 10 \mu\text{A}$ | $V_{(BR)R}$ | 40 | - | - | V |
| Reverse Current at $V_R = 10 \text{ V}$ | I_R | - | - | 1 | μA |
| Capacitance between Terminals at $V_R = 1 \text{ V}, f = 1 \text{ MHz}$ | C_t | - | 2 | - | pF |

