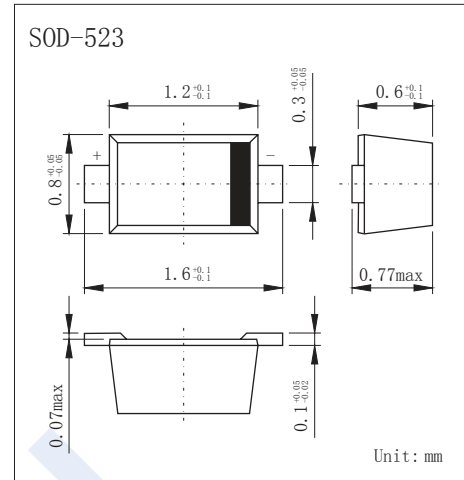


Switching Diodes

1SS400

■ Features

- Fast Switching Speed
- High reliability

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

| Parameter | Symbol | Rating | Unit |
|-----------------------------------|-------------|------------|------------------|
| Reverse voltage (Repetitive) | V_{RM} | 90 | V |
| Reverse voltage (DC) | V_R | 80 | |
| Average rectified forward current | I_o | 100 | mA |
| Forward voltage (Repetitive Peak) | I_{FM} | 225 | |
| Surge Current($t=1s$) | I_{surge} | 500 | |
| Junction Temperature | T_J | 125 | $^\circ\text{C}$ |
| Storage Temperature range | T_{stg} | -55 to 125 | |

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

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---------------------------------|----------|---|-----|-----|-----|---------------|
| Reverse breakdown voltage | V_R | $I_R = 100 \mu\text{A}$ | 90 | | | V |
| Forward voltage | V_F | $I_F = 100 \text{mA}$ | | | 1.2 | |
| Reverse voltage leakage current | I_R | $V_R = 80 \text{V}$ | | | 0.1 | μA |
| Junction capacitance | C_j | $V_R = 0.5 \text{V}, f = 1 \text{MHz}$ | | | 3 | pF |
| Reverse recovery time | t_{rr} | $V_R = 6\text{V}, I_F = 10\text{mA}, R_L = 100\Omega$ | | | 4 | ns |

■ Marking

| | |
|---------|----|
| Marking | A* |
|---------|----|

Switching Diodes

1SS400

Typical Characteristics

