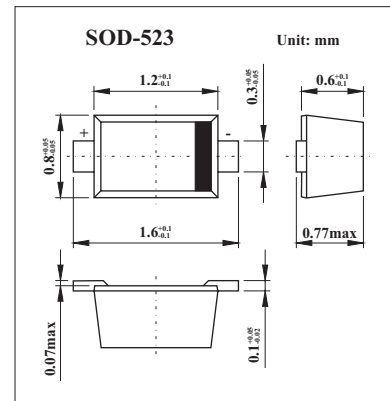


High Speed Switching Diodes

1SS400



■ Features

- Small surface mounting type
- High Speed
- High reliability with high surge current handling capability

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

| Parameter | Symbol | Rating | Unit |
|-------------------------|-------------|-------------|------------------|
| Peak reverse voltage | V_{RM} | 90 | V |
| DC reverse voltage | V_R | 80 | V |
| Mean rectifying current | I_o | 100 | mA |
| Peak forward current | I_{FM} | 225 | mA |
| Surge current (1s) | I_{surge} | 500 | mA |
| Junction temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +125 | $^\circ\text{C}$ |

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

| Parameter | Symbol | Testconditions | Min | Typ | Max | Unit |
|-------------------------------|----------|---|-----|-----|-----|---------------|
| Forward voltage | V_F | $I_F=100\text{mA}$ | | | 1.2 | V |
| Reverse current | I_R | $V_R=80\text{V}$ | | | 0.1 | μA |
| Capacitance between terminals | C_T | $V_R=0.5\text{V}, f=1\text{MHz}$ | | | 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 |
|---------|---|