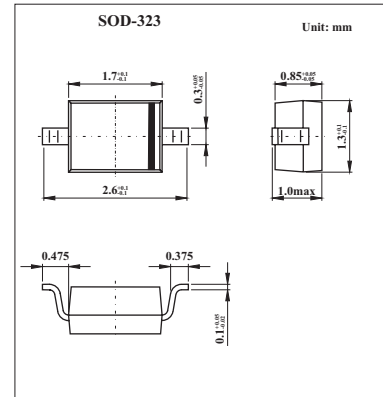


1SV270

■ Features

- High Capacitance Ratio: $C_{1V}/C_{4V} = 2.0$ (Typ.)
- Low Series Resistance: $r_s = 0.28 \Omega$ (Typ.)



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

| Parameter | Symbol | Value | Unit |
|---------------------------|-----------|-------------|------------------|
| Reverse Voltage | V_R | 10 | V |
| Junction Temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage Temperature Range | T_{stg} | -55 to +125 | $^\circ\text{C}$ |

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

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|-------------------|-----------------|--------------------------------------|-----|------|-----|----------|
| Reverse Voltage | V_R | $I_R = 1 \mu\text{A}$ | 10 | | | V |
| Reverse Current | I_R | $V_R = 10\text{V}$ | | | 3 | nA |
| Capacitance | C_{1V} | $f = 1\text{MHz}; V_R = 1\text{V}$ | 15 | 16 | 17 | pF |
| | C_{4V} | $f = 1\text{MHz}; V_R = 4\text{V}$ | 7.8 | 8 | 8.7 | |
| Capacitance Ratio | C_{1V}/C_{4V} | | 1.3 | 2 | | |
| Series Resistance | r_s | $V_R = 1\text{V}, f = 470\text{MHz}$ | | 0.28 | 0.5 | Ω |

■ Marking

| | |
|---------|----|
| Marking | TF |
|---------|----|