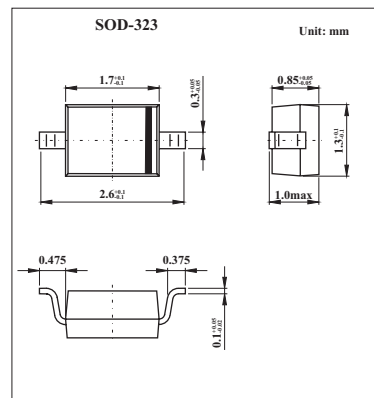


1SV269

■ Features

- High Capacitance Ratio: $C_{2V}/C_{25V} = 11.5(\text{Typ.})$
- Low Series Resistance: $r_s = 0.55 \Omega (\text{Typ.})$
- Excellent C-V Characteristics, and Small Tracking Error.



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

| Parameter | Symbol | Value | Unit |
|---------------------------|-----------|------------------------------------|------------------|
| Reverse Voltage | V_R | 34 | V |
| Peak Reverse Voltage | V_{RM} | 36($R_L = 10 \text{ K } \Omega$) | 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 | $I_R = 1 \mu\text{A}$ | 34 | | | V |
| Reverse Current | I_R | $V_R = 32 \text{ V}$ | | | 10 | nA |
| Capacitance | C_{2V} | $f = 1 \text{ MHz}; V_R = 2 \text{ V}$ | 33 | 31.5 | 34 | pF |
| | C_{25V} | $f = 1 \text{ MHz}; V_R = 25 \text{ V}$ | 2.5 | 2.75 | 2.9 | |
| Capacitance Ratio | C_{2V}/C_{25V} | | 11 | 11.5 | | |
| | C_{25V}/C_{28V} | | 1.03 | 1.05 | | |
| Series Resistance | r_s | $V_R = 5 \text{ V}, f = 470 \text{ MHz}$ | | 0.55 | 0.7 | Ω |

Note :

Available in matched group for capacitance to 2.0%.

$$\frac{C(\text{Max.})-C(\text{Min.})}{C(\text{Min.})} \leq 0.020$$

$(V_R=2\sim 25\text{V})$

■ Marking

| | |
|---------|----|
| Marking | TE |
|---------|----|