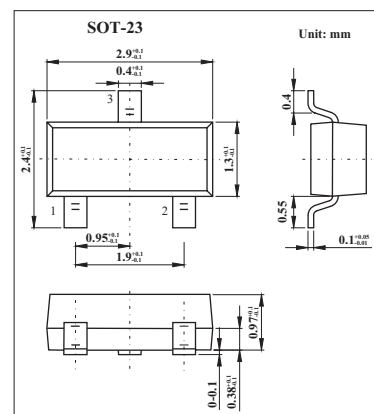


## PIN Diode for VHF,UHF,AGC Applications

## 1SV266

## ■ Features

- Small sized package facilitates high-density mounting and permits 1SV266-applied equipment to be made smaller.
- Small interterminal capacitance ( $C=0.23\text{pF}$  typ).
- Small forward series resistance ( $r_s=2.5\ \Omega$  typ).

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

| Parameter                   | Symbol    | Value       | Unit             |
|-----------------------------|-----------|-------------|------------------|
| Reverse Voltage             | $V_R$     | 50          | V                |
| Forward Current             | $I_F$     | 50          | mA               |
| Allowable Power Dissipation | P         | 150         | mW               |
| 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 | Conditions                                 | Min | Typ  | Max | Unit          |
|---------------------------|--------|--------------------------------------------|-----|------|-----|---------------|
| Reverse Voltage           | $V_R$  | $I_R = 10\ \mu\text{A}$                    | 50  |      |     | V             |
| Reverse Current           | $I_R$  | $V_R = 50\ \text{V}$                       |     |      | 0.1 | $\mu\text{A}$ |
| Forward Voltage           | $V_F$  | $I_F = 50\ \text{mA}$                      |     | 0.91 |     | V             |
| Interterminal Capacitance | C      | $V_R = 50\ \text{V}, f = 1\ \text{MHz}$    |     | 0.23 |     | pF            |
| Series Resistance         | $r_s$  | $I_F = 5\ \text{mA}, f = 100\ \text{MHz}$  |     | 4.0  |     | $\Omega$      |
|                           |        | $I_F = 10\ \text{mA}, f = 100\ \text{MHz}$ |     | 2.5  |     | $\Omega$      |

## ■ Marking

|         |    |
|---------|----|
| Marking | JV |
|---------|----|