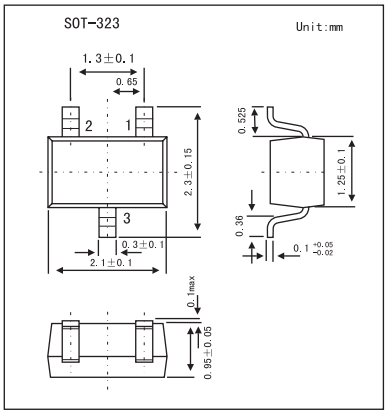
# PIN Diode for VHF,UHF,AGC Applications

# 1SV249




## ■ Features

- Very small-sized package facilitates high-density mounting and permits 1SV249-applied equipment to be made smaller.
- Small interterminal capacitance (C=0.23pF typ).
- Small forward series resistance (rs=4.5 Ω typ).

## ■ Absolute Maximum Ratings Ta = 25℃

| Parameter | Symbol | Value | Unit |
|---|---|---|---|
| Reverse Voltage | $V_R$ | 50 | V |
| Forward Current | $I_F$ | 50 | mA |
| Allowable Power Dissipation | P | 100 | mW |
| Junction Temperature | $T_j$ | 125 | ℃ |
| Storage temperature | $T_{stg}$ | -55 to +125 | ℃ |

## ■ Electrical Characteristics Ta = 25℃

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Reverse Voltage | $V_R$ | $I_R$ = 10 μA | 50 | | | V |
| Reverse Current | $I_R$ | $V_R$ = 50 V | | | 0.1 | μA |
| Forward Voltage | $V_F$ | $I_F$ = 50 mA | | 0.95 | | V |
| Interterminal Capacitance | C | $V_R$ = 50 V, f = 1 MHz | | 0.23 | | pF |
| Series Resistance | rs | $I_F$ = 10 mA,f = 100 MHz | | | 4.5 | Ω |

## ■ Marking

| Marking | GV |
|---|---|